

PF-0695-2 CON

<110> Yue, Henry
Tang, Y. Tom
Lal, Preeti G.
Reddy, Roopa
Baughn, Mariah R.
Yang, Junming
Azimzai, Valda

<120> FULL-LENGTH EXPRESSED GENETIC MARKERS

<130> PF-0695-2 CON

<140> To Be Assigned
<141> Herewith

<150> 09/311,894
<151> 1999-05-14

<160> 40

<170> PERL Program

<210> 1
<211> 349
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone 1841446

<400> 1
Met Ala Lys Ala Gly Asp Lys Ser Ser Ser Ser Gly Lys Lys Ser
1 5 10 15
Leu Lys Arg Lys Ala Ala Ala Glu Glu Leu Gln Glu Ala Ala Gly
20 25 30
Ala Gly Asp Gly Ala Thr Glu Asn Gly Val Gln Pro Pro Lys Ala
35 40 45
Ala Ala Phe Pro Pro Gly Phe Ser Ile Ser Glu Ile Lys Asn Lys
50 55 60
Gln Arg Arg His Leu Met Phe Thr Arg Trp Lys Gln Gln Gln Arg
65 70 75
Lys Glu Lys Leu Ala Ala Lys Lys Leu Lys Lys Glu Arg Glu
80 85 90
Ala Leu Gly Asp Lys Ala Pro Pro Lys Pro Val Pro Lys Thr Ile
95 100 105
Asp Asn Gln Arg Val Tyr Asp Glu Thr Thr Val Asp Pro Asn Asp
110 115 120
Glu Glu Val Ala Tyr Asp Glu Ala Thr Asp Glu Phe Ala Ser Tyr
125 130 135
Phe Asn Lys Gln Thr Ser Pro Lys Ile Leu Ile Thr Thr Ser Asp

	140	145	150
Arg Pro His Gly Arg Thr Val Arg Leu Cys Glu Gln Leu Ser Thr			
	155	160	165
Val Ile Pro Asn Ser His Val Tyr Tyr Arg Arg Gly Leu Ala Leu			
	170	175	180
Lys Lys Ile Ile Pro Gln Cys Ile Ala Arg Asp Phe Thr Asp Leu			
	185	190	195
Ile Val Ile Asn Glu Asp Arg Lys Thr Pro Asn Gly Leu Ile Leu			
	200	205	210
Ser His Leu Pro Asn Gly Pro Thr Ala His Phe Lys Met Ser Ser			
	215	220	225
Val Arg Leu Arg Lys Glu Ile Lys Arg Arg Gly Lys Asp Pro Thr			
	230	235	240
Glu His Ile Pro Glu Ile Ile Leu Asn Asn Phe Thr Thr Arg Leu			
	245	250	255
Gly His Ser Ile Gly Arg Met Phe Ala Ser Leu Phe Pro His Asn			
	260	265	270
Pro Gln Phe Ile Gly Arg Gln Val Ala Thr Phe His Asn Gln Arg			
	275	280	285
Asp Tyr Ile Phe Phe Arg Phe His Arg Tyr Ile Phe Arg Ser Glu			
	290	295	300
Lys Lys Val Gly Ile Gln Glu Leu Gly Pro Arg Phe Thr Leu Lys			
	305	310	315
Leu Arg Ser Leu Gln Lys Gly Thr Phe Asp Ser Lys Tyr Gly Glu			
	320	325	330
Tyr Glu Trp Val His Lys Pro Arg Glu Met Asp Thr Ser Arg Arg			
	335	340	345
Lys Phe His Leu			

<210> 2
<211> 169
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone 1850310

	<400> 2			
Met Gln Cys Leu Leu Pro Tyr Gln Ser Lys Glu Pro Ser Cys Leu				
	1	5	10	15
Pro Pro Leu Pro Leu Asn Leu Pro Leu Pro Pro Cys Leu Cys Pro				
	20	25	30	
Leu Leu Gln Leu Asn Ala Ala Met Thr Arg Lys Glu Lys Thr Lys				
	35	40	45	
Glu Gly Gln Arg Ala Ala Gln Phe Ser Ala Gly Ala Asp Ala Gly				
	50	55	60	
Ser Gly Gly Gly Leu Ser Arg Gln Lys Asp Thr Lys Arg Pro Met				
	65	70	75	
Leu Leu Val Ile His Asp Val Val Leu Glu Leu Leu Thr Ser Ser				
	80	85	90	

Asp	Cys	His	Ala	Asn	Pro	Arg	Lys	Tyr	Pro	Thr	Cys	Gln	Lys	Ser
95									100					105
Glu	Val	Leu	Gly	Val	Ser	Ile	Tyr	Val	Ser	Ile	Cys	Pro	Ser	Thr
	110								115					120
Arg	Pro	Arg	Asp	Lys	Asn	Lys	Thr	Lys	Lys	Arg	Cys	Gln	Val	Leu
	125								130					135
Glu	Ala	Val	Leu	Val	Ser	Lys	Pro	Ser	Gly	Ser	Cys	His	Gln	Gly
	140								145					150
Ser	Phe	Glu	Ile	Val	Pro	His	Val	Lys	Gly	Asn	Leu	Ala	Phe	Thr
	155								160					165
Ser	Ser	Asn	His											

TOE2000

<210>	3													
<211>	316													
<212>	PRT													
<213>	Homo sapiens													
<220>														
<221>	misc_feature													
<223>	Incyte Clone 1887020													
<400>	3													
Met	Glu	Ser	Asn	Val	Lys	Val	Gln	Arg	Gln	Glu	Gly	Ala	Lys	Val
1				5					10					15
Ser	Leu	Met	Ser	Pro	Asp	Gln	Leu	Arg	Asn	Lys	Phe	Pro	Trp	Ile
				20					25					30
Asn	Thr	Glu	Gly	Val	Ala	Leu	Ala	Ser	Tyr	Gly	Met	Glu	Asp	Glu
				35					40					45
Gly	Trp	Phe	Asp	Pro	Trp	Cys	Leu	Leu	Gln	Gly	Leu	Arg	Arg	Lys
				50					55					60
Val	Gln	Ser	Leu	Gly	Val	Leu	Phe	Cys	Gln	Gly	Glu	Val	Thr	Arg
				65					70					75
Phe	Val	Ser	Ser	Gln	Arg	Met	Leu	Thr	Thr	Asp	Asp	Lys	Ala	
				80					85					90
Val	Val	Leu	Lys	Arg	Ile	His	Glu	Val	His	Val	Lys	Met	Asp	Arg
				95					100					105
Ser	Leu	Glu	Tyr	Gln	Pro	Val	Glu	Cys	Ala	Ile	Val	Ile	Asn	Ala
				110					115					120
Ala	Gly	Ala	Trp	Ser	Ala	Gln	Ile	Ala	Ala	Leu	Ala	Gly	Val	Gly
				125					130					135
Glu	Gly	Pro	Pro	Gly	Thr	Leu	Gln	Gly	Thr	Lys	Leu	Pro	Val	Glu
				140					145					150
Pro	Arg	Lys	Arg	Tyr	Val	Tyr	Val	Trp	His	Cys	Pro	Gln	Gly	Pro
				155					160					165
Gly	Leu	Glu	Thr	Pro	Leu	Val	Ala	Asp	Thr	Ser	Gly	Ala	Tyr	Phe
				170					175					180
Arg	Arg	Glu	Gly	Leu	Gly	Ser	Asn	Tyr	Leu	Gly	Gly	Arg	Ser	Pro
				185					190					195
Thr	Glu	Gln	Glu	Glu	Pro	Asp	Pro	Ala	Asn	Leu	Glu	Val	Asp	His
				200					205					210

Asp	Phe	Phe	Gln	Asp	Lys	Val	Trp	Pro	His	Leu	Ala	Leu	Arg	Val
				215				220						225
Pro	Ala	Phe	Glu	Thr	Leu	Lys	Val	Gln	Ser	Ala	Trp	Ala	Gly	Tyr
				230				235						240
Tyr	Asp	Tyr	Asn	Thr	Phe	Asp	Gln	Asn	Gly	Val	Val	Gly	Pro	His
				245				250						255
Pro	Leu	Val	Val	Asn	Met	Tyr	Phe	Ala	Thr	Gly	Phe	Ser	Gly	His
				260				265						270
Gly	Leu	Gln	Gln	Ala	Pro	Gly	Ile	Gly	Arg	Ala	Val	Ala	Glu	Met
				275				280						285
Val	Leu	Lys	Gly	Arg	Phe	Gln	Thr	Ile	Asp	Leu	Ser	Pro	Phe	Leu
				290				295						300
Phe	Thr	Arg	Phe	Tyr	Leu	Gly	Glu	Lys	Ile	Gln	Glu	Asn	Asn	Ile
				305				310						315

Ile

<210> 4
<211> 220
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone 1911421

<400> 4														
Met	Lys	Ser	Val	Ile	Tyr	His	Ala	Leu	Ser	Gln	Glu	Ala	Asn	
1			5				10							15
Asp	Ser	Asp	Val	Gln	Pro	Ser	Gly	Ala	Gln	Arg	Ala	Glu	Ala	Phe
			20				25							30
Val	Arg	Ala	Phe	Leu	Lys	Arg	Ser	Thr	Pro	Arg	Met	Ser	Pro	Gln
			35				40							45
Ala	Arg	Glu	Asp	Gln	Leu	Gln	Arg	Lys	Ala	Val	Val	Leu	Glu	Tyr
			50				55							60
Phe	Thr	Arg	His	Lys	Arg	Lys	Glu	Lys	Lys	Lys	Ala	Lys	Gly	
			65				70							75
Leu	Ser	Ala	Arg	Gln	Arg	Arg	Glu	Leu	Arg	Leu	Phe	Asp	Ile	Lys
			80				85							90
Pro	Glu	Gln	Gln	Arg	Tyr	Ser	Leu	Phe	Leu	Pro	Leu	His	Glu	Leu
			95				100							105
Trp	Lys	Gln	Tyr	Ile	Arg	Asp	Leu	Cys	Ser	Gly	Leu	Lys	Pro	Asp
			110				115							120
Thr	Gln	Pro	Gln	Met	Ile	Gln	Ala	Lys	Leu	Leu	Lys	Ala	Asp	Leu
			125				130							135
His	Gly	Ala	Ile	Ile	Ser	Val	Thr	Lys	Ser	Lys	Cys	Pro	Ser	Tyr
			140				145							150
Val	Gly	Ile	Thr	Gly	Ile	Leu	Leu	Gln	Glu	Thr	Lys	His	Ile	Phe
			155				160							165
Lys	Ile	Ile	Thr	Lys	Glu	Asp	Arg	Leu	Lys	Val	Ile	Pro	Lys	Leu
			170				175							180
Asn	Cys	Val	Phe	Thr	Val	Glu	Thr	Asp	Gly	Phe	Ile	Ser	Tyr	Ile

	185	190	195											
Tyr	Gly	Ser	Lys	Phe	Gln	Leu	Arg	Ser	Ser	Glu	Arg	Ser	Ala	Lys
				200	205								210	
Lys	Phe	Lys	Ala	Lys	Gly	Thr	Ile	Asp	Leu					
				215		220								

<210> 5
<211> 235
<212> PRT
<213> Homo sapiens

<220> -
<221> misc_feature
<223> Incyte Clone 1911910

<400>	5													
Met	Gly	Ser	Thr	Glu	Ser	Ser	Glu	Gly	Arg	Arg	Val	Ser	Phe	Gly
1				5			10				15			
Val	Asp	Glu	Glu	Glu	Arg	Val	Arg	Val	Leu	Gln	Gly	Val	Arg	Leu
									20	25			30	
Ser	Glu	Asn	Val	Val	Asn	Arg	Met	Lys	Glu	Pro	Ser	Ser	Pro	Pro
									35	40			45	
Pro	Ala	Pro	Thr	Ser	Ser	Thr	Phe	Gly	Leu	Gln	Asp	Gly	Asn	Leu
									50	55			60	
Arg	Ala	Pro	His	Lys	Glu	Ser	Thr	Leu	Pro	Arg	Ser	Gly	Ser	Ser
									65	70			75	
Gly	Gly	Gln	Gln	Pro	Ser	Gly	Met	Lys	Glu	Gly	Val	Lys	Arg	Tyr
									80	85			90	
Glu	Gln	Glu	His	Ala	Ala	Ile	Gln	Asp	Lys	Leu	Phe	Gln	Val	Ala
									95	100			105	
Lys	Arg	Glu	Arg	Glu	Ala	Ala	Thr	Lys	His	Ser	Lys	Ala	Ser	Leu
									110	115			120	
Pro	Thr	Gly	Glu	Gly	Ser	Ile	Ser	His	Glu	Glu	Gln	Lys	Ser	Val
									125	130			135	
Arg	Leu	Ala	Arg	Glu	Leu	Glu	Ser	Arg	Glu	Ala	Glu	Leu	Arg	Arg
									140	145			150	
Arg	Asp	Thr	Phe	Tyr	Lys	Glu	Gln	Leu	Glu	Arg	Ile	Glu	Arg	Lys
									155	160			165	
Asn	Ala	Glu	Met	Tyr	Lys	Leu	Ser	Ser	Glu	Gln	Phe	His	Glu	Ala
									170	175			180	
Ala	Ser	Lys	Met	Glu	Ser	Thr	Ile	Lys	Pro	Arg	Arg	Val	Glu	Pro
									185	190			195	
Val	Cys	Ser	Gly	Leu	Gln	Ala	Gln	Ile	Leu	His	Cys	Tyr	Arg	Asp
									200	205			210	
Arg	Pro	His	Glu	Val	Leu	Leu	Cys	Ser	Asp	Leu	Val	Lys	Ala	Tyr
									215	220			225	
Gln	Arg	Cys	Val	Ser	Ala	Ala	His	Lys	Gly					
									230	235				

<210> 6
<211> 487
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone 1928920

<400> 6
Met Ala Ser Ser Ala Glu Gly Asp Glu Gly Thr Val Val Ala Leu
1 5 10 15
Ala Gly Val Leu Gln Ser Gly Phe Gln Glu Leu Ser Leu Asn Lys
20 25 30
Leu Ala Thr Ser Leu Gly Ala Ser Glu Gln Ala Leu Arg Leu Ile
35 40 45
Ile Ser Ile Phe Leu Gly Tyr Pro Phe Ala Leu Phe Tyr Arg His
50 55 60
Tyr Leu Phe Tyr Lys Glu Thr Tyr Leu Ile His Leu Phe His Thr
65 70 75
Phe Thr Gly Leu Ser Ile Ala Tyr Phe Asn Phe Gly Asn Gln Leu
80 85 90
Tyr His Ser Leu Leu Cys Ile Val Leu Gln Phe Leu Ile Leu Arg
95 100 105
Leu Met Gly Arg Thr Ile Thr Ala Val Leu Thr Thr Phe Cys Phe
110 115 120
Gln Met Ala Tyr Leu Leu Ala Gly Tyr Tyr Thr Ala Thr Gly
125 130 135
Asn Tyr Asp Ile Lys Trp Thr Met Pro His Cys Val Leu Thr Leu
140 145 150
Lys Leu Ile Gly Leu Ala Val Asp Tyr Phe Asp Gly Gly Lys Asp
155 160 165
Gln Asn Ser Leu Ser Ser Glu Gln Gln Lys Tyr Ala Ile Arg Gly
170 175 180
Val Pro Ser Leu Leu Glu Val Ala Gly Phe Ser Tyr Phe Tyr Gly
185 190 195
Ala Phe Leu Val Gly Pro Gln Phe Ser Met Asn His Tyr Met Lys
200 205 210
Leu Val Gln Gly Glu Leu Ile Asp Ile Pro Gly Lys Ile Pro Asn
215 220 225
Ser Ile Ile Pro Ala Leu Lys Arg Leu Ser Leu Gly Leu Phe Tyr
230 235 240
Leu Val Gly Tyr Thr Leu Leu Ser Pro His Ile Thr Glu Asp Tyr
245 250 255
Leu Leu Thr Glu Asp Tyr Asp Asn His Pro Phe Trp Phe Arg Cys
260 265 270
Met Tyr Met Leu Ile Trp Gly Lys Phe Val Leu Tyr Lys Tyr Val
275 280 285
Thr Cys Trp Leu Val Thr Glu Gly Val Cys Ile Leu Thr Gly Leu
290 295 300
Gly Phe Asn Gly Phe Glu Glu Lys Gly Lys Ala Lys Trp Asp Ala
305 310 315
Cys Ala Asn Met Lys Val Trp Leu Phe Glu Thr Asn Pro Arg Phe
320 325 330

```

<210> 7
<211> 212
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone 2170846

<400> 7
Met Ala Ala Pro Pro Gln Leu Arg Ala Leu Leu Val Val Val Asn
      1           5           10           15
Ala Leu Leu Arg Lys Arg Arg Tyr His Ala Ala Leu Ala Val Leu
      20          25           30
Lys Gly Phe Arg Asn Gly Ala Val Tyr Gly Ala Lys Ile Arg Ala
      35          40           45
Pro His Ala Leu Val Met Thr Phe Leu Phe Arg Asn Gly Ser Leu
      50          55           60
Gln Glu Lys Leu Trp Ala Ile Leu Gln Ala Thr Tyr Ile His Ser
      65          70           75
Trp Asn Leu Ala Arg Phe Val Phe Thr Tyr Lys Gly Leu Arg Ala
      80          85           90
Leu Gln Ser Tyr Ile Gln Gly Lys Thr Tyr Pro Ala His Ala Phe
      95         100          105
Leu Ala Ala Phe Leu Gly Gly Ile Leu Val Phe Gly Glu Asn Asn
     110         115          120
Asn Ile Asn Ser Gln Ile Asn Met Tyr Leu Leu Ser Arg Val Leu
     125         130          135

```

Phe	Ala	Leu	Ser	Arg	Leu	Ala	Val	Glu	Lys	Gly	Tyr	Ile	Pro	Glu
				140				145						150
Pro	Arg	Trp	Asp	Pro	Phe	Pro	Leu	Leu	Thr	Ala	Val	Val	Trp	Gly
				155				160						165
Leu	Val	Leu	Trp	Leu	Phe	Glu	Tyr	His	Arg	Ser	Thr	Leu	Gln	Pro
				170				175						180
Ser	Leu	Gln	Ser	Ser	Met	Thr	Tyr	Leu	Tyr	Glu	Asp	Ser	Asn	Val
				185				190						195
Trp	His	Asp	Ile	Ser	Asp	Phe	Leu	Ile	Tyr	Asn	Lys	Ser	Arg	Pro
				200				205						210
Ser	Asn													

<210> 8
<211> 241
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone 2176361

<400>	8													
Met	Ala	Pro	Val	Arg	Arg	Ser	Ala	Lys	Trp	Arg	Pro	Gly	Gly	Ile
	1		5					10						15
Glu	Ala	Arg	Gly	Glu	Gly	Val	Ser	Thr	Val	Gly	Tyr	Arg	Asn	Lys
			20					25						30
Asn	Val	Arg	Gln	Lys	Thr	Trp	Arg	Pro	Asn	His	Pro	Gln	Ala	Phe
		35						40						45
Val	Gly	Ser	Val	Arg	Glu	Gly	Gln	Gly	Phe	Ala	Phe	Arg	Arg	Lys
	50							55						60
Leu	Lys	Ile	Gln	Gln	Ser	Tyr	Lys	Lys	Leu	Leu	Arg	Lys	Glu	Lys
	65							70						75
Lys	Ala	Gln	Thr	Ser	Leu	Glu	Ser	Gln	Phe	Thr	Asp	Arg	Tyr	Pro
	80							85						90
Asp	Asn	Leu	Lys	His	Leu	Tyr	Leu	Ala	Glu	Glu	Glu	Arg	His	Arg
	95							100						105
Lys	Gln	Ala	Arg	Lys	Val	Asp	His	Pro	Leu	Ser	Glu	Gln	Val	His
	110							115						120
Gln	Pro	Leu	Leu	Glu	Glu	Gln	Cys	Ser	Ile	Asp	Glu	Pro	Leu	Phe
	125							130						135
Glu	Asp	Gln	Cys	Ser	Phe	Asp	Gln	Pro	Gln	Pro	Glu	Glu	Gln	Cys
	140							145						150
Ile	Lys	Thr	Val	Asn	Ser	Phe	Thr	Ile	Pro	Lys	Lys	Asn	Lys	Lys
	155							160						165
Lys	Thr	Ser	Asn	Gln	Lys	Ala	Gln	Glu	Glu	Tyr	Glu	Gln	Ile	Gln
	170							175						180
Ala	Lys	Arg	Ala	Ala	Lys	Lys	Gln	Glu	Phe	Glu	Arg	Arg	Lys	Gln
	185							190						195
Glu	Arg	Glu	Glu	Ala	Gln	Arg	Gln	Tyr	Lys	Lys	Lys	Lys	Met	Glu
	200							205						210
Val	Phe	Lys	Ile	Leu	Asn	Lys	Lys	Thr	Lys	Lys	Gly	Gln	Pro	Asn

215	220	225
Leu Asn Val Gln Met Glu Tyr Leu Leu Gln Lys Ile Gln Glu Lys		
230	235	240
Cys		

<210> 9
<211> 375
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone 2212732

<400> 9
Met Pro Gln Glu Leu Pro Gln Ser Pro Arg Thr Arg Gln Pro Glu
1 5 10 15
Pro Asp Phe Tyr Cys Val Lys Trp Ile Pro Trp Lys Gly Glu Gln
 20 25 30
Thr Pro Ile Ile Thr Gln Ser Thr Asn Gly Pro Cys Pro Leu Leu
 35 40 45
Ala Ile Met Asn Ile Leu Phe Leu Gln Trp Lys Val Lys Leu Pro
 50 55 60
Pro Gln Lys Glu Val Ile Thr Ser Asp Glu Leu Met Ala His Leu
 65 70 75
Gly Asn Cys Leu Leu Ser Ile Lys Pro Gln Glu Lys Ser Glu Gly
 80 85 90
Leu Gln Leu Asn Phe Gln Gln Asn Val Asp Asp Ala Met Thr Val
 95 100 105
Leu Pro Lys Leu Ala Thr Gly Leu Asp Val Asn Val Arg Phe Thr
 110 115 120
Gly Val Ser Asp Phe Glu Tyr Thr Pro Glu Cys Ser Val Phe Asp
 125 130 135
Leu Leu Gly Ile Pro Leu Tyr His Gly Trp Leu Val Asp Pro Gln
 140 145 150
Gln Ser Pro Glu Ala Val Arg Ala Val Gly Lys Leu Ser Tyr Asn
 155 160 165
Gln Leu Val Glu Arg Ile Ile Thr Cys Lys His Ser Ser Asp Thr
 170 175 180
Asn Leu Val Thr Glu Gly Leu Ile Ala Glu Gln Phe Leu Glu Thr
 185 190 195
Thr Ala Ala Gln Leu Thr Tyr His Gly Leu Cys Glu Leu Thr Ala
 200 205 210
Ala Ala Lys Glu Gly Glu Leu Ser Val Phe Phe Arg Asn Asn His
 215 220 225
Phe Ser Thr Met Thr Lys His Lys Ser His Leu Tyr Leu Leu Val
 230 235 240
Thr Asp Gln Gly Phe Leu Gln Glu Glu Gln Val Val Trp Glu Ser
 245 250 255
Leu His Asn Val Asp Gly Asp Ser Cys Phe Cys Asp Ser Asp Phe
 260 265 270

His	Leu	Ser	His	Ser	Leu	Gly	Lys	Gly	Pro	Gly	Ala	Glu	Gly	Gly
														285
														275
Ser	Gly	Ser	Pro	Glu	Lys	Gln	Leu	Gln	Val	Asp	Gln	Asp	Tyr	Leu
														300
Ile	Ala	Leu	Ser	Leu	Gln	Gln	Gln	Pro	Arg	Gly	Pro	Leu	Gly	
														315
														305
Leu	Thr	Asp	Leu	Glu	Leu	Ala	Gln	Leu	Gln	Gln	Glu	Glu	Tyr	
														330
Gln	Gln	Gln	Gln	Ala	Ala	Gln	Pro	Val	Arg	Met	Arg	Thr	Arg	Val
														345
Leu	Ser	Leu	Gln	Gly	Arg	Gly	Ala	Thr	Ser	Gly	Arg	Pro	Ala	Gly
														360
Glu	Arg	Arg	Gln	Arg	Pro	Lys	His	Glu	Ser	Asp	Cys	Ile	Leu	Leu
														375
														365

<210> 10
<211> 429
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone 2303457

<400> 10														
Met	Ser	Asn	Arg	Asn	Asn	Asn	Lys	Leu	Pro	Ser	Asn	Leu	Pro	Gln
														15
														1
														5
														10
Leu	Gln	Asn	Leu	Ile	Lys	Arg	Asp	Pro	Pro	Ala	Tyr	Ile	Glu	Glu
														30
														20
Phe	Leu	Gln	Gln	Tyr	Asn	His	Tyr	Lys	Ser	Asn	Val	Glu	Ile	Phe
														45
														35
Lys	Leu	Gln	Pro	Asn	Lys	Pro	Ser	Lys	Glu	Leu	Ala	Glu	Leu	Val
														60
														50
														55
Met	Phe	Met	Ala	Gln	Ile	Ser	His	Cys	Tyr	Pro	Glu	Tyr	Leu	Ser
														75
														65
Asn	Phe	Pro	Gln	Glu	Val	Lys	Asp	Leu	Leu	Ser	Cys	Asn	His	Thr
														90
														80
Val	Leu	Asp	Pro	Asp	Leu	Arg	Met	Thr	Phe	Cys	Lys	Ala	Ile	
														105
														95
Leu	Leu	Arg	Asn	Lys	Asn	Leu	Ile	Asn	Pro	Ser	Ser	Leu	Leu	Glu
														120
														110
Leu	Phe	Phe	Glu	Leu	Phe	Arg	Cys	His	Asp	Lys	Leu	Leu	Arg	Lys
														135
														125
Thr	Leu	Tyr	Thr	His	Ile	Val	Thr	Asp	Ile	Lys	Asn	Ile	Asn	Ala
														150
														140
Lys	His	Lys	Asn	Asn	Lys	Val	Asn	Val	Val	Leu	Gln	Asn	Phe	Met
														165
														155
Tyr	Thr	Met	Leu	Arg	Asp	Ser	Asn	Ala	Thr	Ala	Ala	Lys	Met	Ser
														180
														170
Leu	Asp	Val	Met	Ile	Glu	Leu	Tyr	Arg	Arg	Asn	Ile	Trp	Asn	Asp
														195
														185
														190

<210> 11
<211> 329
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone 2317552

```

<400> 11
Met Glu Val Ala Glu Pro Ser Ser Pro Thr Glu Glu Glu Glu Glu
      1           5           10          15
Glu Glu Glu His Ser Ala Glu Pro Arg Pro Arg Thr Arg Ser Asn
      20          25          30
Pro Glu Gly Ala Glu Asp Arg Ala Val Gly Ala Gln Ala Ser Val
      35          40          45
Gly Ser Arg Ser Glu Gly Glu Gly Glu Ala Ala Ser Ala Asp Asp
      50          55          60

```

Gly Ser Leu Asn Thr Ser Gly Ala Gly Pro Lys Ser Trp Gln Val
 65 70 75
 Pro Pro Pro Ala Pro Glu Val Gln Ile Arg Thr Pro Arg Val Asn
 80 85 90
 Cys Pro Glu Lys Val Ile Ile Cys Leu Asp Leu Ser Glu Glu Met
 95 100 105
 Ser Leu Pro Lys Leu Glu Ser Phe Asn Gly Ser Lys Thr Asn Ala
 110 115 120
 Leu Asn Val Ser Gln Lys Met Ile Glu Met Phe Val Arg Thr Lys
 125 130 135
 His Lys Ile Asp Lys Ser His Glu Phe Ala Leu Val Val Val Asn
 140 145 150
 Asp Asp Thr Ala Trp Leu Ser Gly Leu Thr Ser Asp Pro Arg Glu
 155 160 165
 Leu Cys Ser Cys Leu Tyr Asp Leu Glu Thr Ala Ser Cys Ser Thr
 170 175 180
 Phe Asn Leu Glu Gly Leu Phe Ser Leu Ile Gln Gln Lys Thr Glu
 185 190 195
 Leu Pro Val Thr Glu Asn Val Gln Thr Ile Pro Pro Pro Tyr Val
 200 205 210
 Val Arg Thr Ile Leu Val Tyr Ser Arg Pro Pro Cys Gln Pro Gln
 215 220 225
 Phe Ser Leu Thr Glu Pro Met Lys Lys Met Phe Gln Cys Pro Tyr
 230 235 240
 Phe Phe Phe Asp Val Val Tyr Ile His Asn Gly Thr Glu Glu Lys
 245 250 255
 Glu Glu Glu Met Ser Trp Lys Asp Met Phe Ala Phe Met Gly Ser
 260 265 270
 Leu Asp Thr Lys Gly Thr Ser Tyr Lys Tyr Glu Val Ala Leu Ala
 275 280 285
 Gly Pro Ala Leu Glu Leu His Asn Cys Met Ala Lys Leu Leu Ala
 290 295 300
 His Pro Leu Gln Arg Pro Cys Gln Ser His Ala Ser Tyr Ser Leu
 305 310 315
 Leu Glu Glu Glu Asp Glu Ala Ile Glu Val Glu Ala Thr Val
 320 325 325

<210> 12
 <211> 476
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone 2416366

<400> 12
 Met Gln Asn Asp Ser Phe His Ser Asp Ser His Met Asp Arg Lys
 1 5 10 15
 Lys Phe His Ser Ser Asp Ser Glu Glu Glu His Lys Lys Gln
 20 25 30

Lys Met Asp Ser Asp Glu Asp Glu Lys Glu Gly Glu Glu Lys
 35 40 45
 Val Ala Lys Arg Lys Ala Ala Val Leu Ser Asp Ser Glu Asp Glu
 50 55 60
 Glu Lys Ala Ser Ala Lys Lys Ser Arg Val Val Ser Asp Ala Asp
 65 70 75
 Asp Ser Asp Ser Asp Ala Val Ser Asp Lys Ser Gly Lys Arg Glu
 80 85 90
 Lys Thr Ile Ala Ser Asp Ser Glu Glu Ala Gly Lys Glu Leu
 95 100 105
 Ser Asp Lys Lys Asn Glu Glu Lys Asp Leu Phe Gly Ser Asp Ser
 110 115 120
 Glu Ser Gly Asn Glu Glu Glu Asn Leu Ile Ala Asp Ile Phe Gly
 125 130 135
 Glu Ser Gly Asp Glu Glu Glu Glu Phe Thr Gly Phe Asn Gln
 140 145 150
 Glu Asp Leu Glu Glu Glu Lys Gly Glu Thr Gln Val Lys Glu Ala
 155 160 165
 Glu Asp Ser Asp Ser Asp Asn Ile Lys Arg Gly Lys His Met
 170 175 180
 Asp Phe Leu Ser Asp Phe Glu Met Met Leu Gln Arg Lys Lys Ser
 185 190 195
 Met Ser Gly Lys Arg Arg Arg Asn Arg Asp Gly Gly Thr Phe Ile
 200 205 210
 Ser Asp Ala Asp Asp Val Val Ser Ala Met Ile Val Lys Met Asn
 215 220 225
 Glu Ala Ala Glu Glu Asp Arg Gln Leu Asn Asn Gln Lys Lys Pro
 230 235 240
 Ala Leu Lys Lys Leu Thr Leu Leu Pro Ala Val Val Met His Leu
 245 250 255
 Lys Lys Gln Asp Leu Lys Glu Thr Phe Ile Asp Ser Gly Val Met
 260 265 270
 Ser Ala Ile Lys Glu Trp Leu Ser Pro Leu Pro Asp Arg Ser Leu
 275 280 285
 Pro Ala Leu Lys Ile Arg Glu Glu Leu Leu Lys Ile Leu Gln Glu
 290 295 300
 Leu Pro Ser Val Ser Gln Glu Thr Leu Lys His Ser Gly Ile Gly
 305 310 315
 Arg Ala Val Met Tyr Leu Tyr Lys His Pro Lys Glu Ser Arg Ser
 320 325 330
 Asn Lys Asp Met Ala Gly Lys Leu Ile Asn Glu Trp Ser Arg Pro
 335 340 345
 Ile Phe Gly Leu Thr Ser Asn Tyr Lys Gly Met Thr Arg Glu Glu
 350 355 360
 Arg Glu Gln Arg Asp Leu Glu Gln Met Pro Gln Arg Arg Arg Met
 365 370 375
 Asn Ser Thr Gly Gly Gln Thr Pro Arg Arg Asp Leu Glu Lys Val
 380 385 390
 Leu Thr Gly Glu Glu Lys Ala Leu Arg Pro Gly Asp Pro Gly Phe
 395 400 405
 Cys Ala Arg Ala Arg Val Pro Met Pro Ser Asn Lys Asp Tyr Val
 410 415 420
 Val Arg Pro Lys Trp Asn Val Glu Met Glu Ser Ser Arg Phe Gln
 425 430 435

PF-0695-2 CON

Ala Thr Ser Lys Lys Gly Ile Ser Arg Leu Asp Lys Gln Met Arg
440 445 450
Lys Phe Thr Asp Ile Arg Lys Lys Ser Arg Ser Ala His Ala Val
455 460 465
Lys Ile Ser Ile Glu Gly Asn Lys Met Pro Leu
470 475

<210> 13
<211> 366
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone 2472980

<400> 13
Met Ala Ala Ala Tyr Phe Pro Asp Cys Ile Val Arg Pro Phe Gly
1 5 10 15
Ser Ser Val Asn Thr Phe Gly Lys Leu Gly Cys Asp Leu Asp Met
20 25 30
Phe Leu Asp Leu Asp Glu Thr Arg Asn Leu Ser Ala His Lys Ile
35 40 45
Ser Gly Asn Phe Leu Met Glu Phe Gln Val Lys Asn Val Pro Ser
50 55 60
Glu Arg Ile Ala Thr Gln Lys Ile Leu Ser Val Leu Gly Glu Cys
65 70 75
Leu Asp His Phe Gly Pro Gly Cys Val Gly Val Gln Lys Ile Leu
80 85 90
Asn Ala Arg Cys Pro Leu Val Arg Phe Ser His Gln Ala Ser Gly
95 100 105
Phe Gln Cys Asp Leu Thr Thr Asn Asn Arg Ile Ala Leu Thr Ser
110 115 120
Ser Glu Leu Leu Tyr Ile Tyr Gly Ala Leu Asp Ser Arg Val Arg
125 130 135
Ala Leu Val Phe Ser Val Arg Cys Trp Ala Arg Ala His Ser Leu
140 145 150
Thr Ser Ser Ile Pro Gly Ala Trp Ile Thr Asn Phe Ser Leu Thr
155 160 165
Met Met Val Ile Phe Phe Leu Gln Arg Arg Ser Pro Pro Ile Leu
170 175 180
Pro Thr Leu Asp Ser Leu Lys Thr Leu Ala Asp Ala Glu Asp Lys
185 190 195
Cys Val Ile Glu Gly Asn Asn Cys Thr Phe Val Arg Asp Leu Ser
200 205 210
Arg Ile Lys Pro Ser Gln Asn Thr Glu Thr Leu Glu Leu Leu Leu
215 220 225
Lys Glu Phe Phe Glu Tyr Phe Gly Asn Phe Ala Phe Asp Lys Asn
230 235 240
Ser Ile Asn Ile Arg Gln Gly Arg Glu Gln Asn Lys Pro Asp Ser
245 250 255

PF-0695-2 CON

Ser Pro Leu Tyr Ile Gln Asn Pro Phe Glu Thr Ser Leu Asn Ile
260 265 270
Ser Lys Asn Val Ser Gln Ser Gln Leu Gln Lys Phe Val Asp Leu
275 280 285
Ala Arg Glu Ser Ala Trp Ile Leu Gln Gln Glu Asp Thr Asp Arg
290 295 300
Pro Ser Ile Ser Ser Asn Arg Pro Trp Gly Leu Val Ser Leu Leu
305 310 315
Leu Pro Ser Ala Pro Asn Arg Lys Ser Phe Thr Lys Lys Lys Ser
320 325 330
Asn Lys Phe Ala Ile Glu Thr Val Lys Asn Leu Leu Glu Ser Leu
335 340 345
Lys Gly Asn Arg Thr Glu Asn Phe Thr Lys Thr Ser Gly Lys Arg
350 355 360
Thr Ile Ser Thr Gln Thr
365

<210> 14
<211> 152
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone 2541640

<400> 14
Met Gly Gly Val Gly Val Ala Glu Ala Ala Arg Pro Leu Leu Ser
1 5 10 15
Trp Pro Thr Ile Ser Leu Thr Ile Phe Thr Ala Val Asn Ser Ser
20 25 30
Gln Gly Gly Gly Leu Val Gln Arg Gln Leu Arg Phe His Asn Ser
35 40 45
His Arg Val Leu Cys Arg Arg Cys Pro Cys Pro Pro Thr Pro Ala
50 55 60
Trp Trp Glu Cys Asp Ala Arg Leu Leu Pro Pro Pro Trp Pro Pro
65 70 75
Val Pro Pro Ala Ser Thr Ser Pro Glu Ile Leu Pro Thr Pro His
80 85 90
Leu His Arg Ser Pro His Ala Pro Gly Ala Pro Lys Pro Pro Pro
95 100 105
Asn Pro Thr His Pro Gly Ala Gly Thr Gly Val Ser Glu Leu Ser
110 115 120
Gln Gly Pro Trp Glu Val Ala Gly Thr Gly Ala Ser Cys Ser Leu
125 130 135
Phe His Phe Pro Phe Arg Ile Trp Pro Gly Trp Arg Thr Gly Gln
140 145 150
Asp Gly

PF-0695-2 CON

<210> 15
<211> 233
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone 2695204

<400> 15
Met Gly Arg Arg Leu Lys Gly Ala Arg Arg Leu Lys Leu Ser Pro
1 5 10 15
Leu Arg Ser Leu Arg Lys Gly Pro Gly Leu Leu Ser Pro Pro Ser
20 25 30
Ala Ser Pro Val Pro Thr Pro Ala Val Ser Arg Thr Leu Leu Gly
35 40 45
Asn Phe Glu Glu Ser Leu Leu Arg Gly Arg Phe Ala Pro Ser Gly
50 55 60
His Ile Glu Gly Phe Thr Ala Glu Ile Gly Ala Ser Gly Ser Tyr
65 70 75
Cys Pro Gln His Val Thr Leu Pro Val Thr Val Thr Phe Phe Asp
80 85 90
Val Ser Glu Gln Asn Ala Pro Ala Pro Phe Leu Gly Ile Val Asp
95 100 105
Leu Asn Pro Leu Gly Arg Lys Gly Tyr Ser Val Pro Lys Val Gly
110 115 120
Thr Val Gln Val Thr Leu Phe Asn Pro Asn Gln Thr Val Val Lys
125 130 135
Met Phe Leu Val Thr Phe Asp Phe Ser Asp Met Pro Ala Ala His
140 145 150
Met Thr Phe Leu Arg His Arg Leu Phe Leu Val Pro Val Gly Glu
155 160 165
Glu Gly Asn Ala Asn Pro Thr His Arg Leu Leu Cys Tyr Leu Leu
170 175 180
His Leu Arg Phe Arg Ser Ser Arg Ser Gly Arg Leu Ser Leu His
185 190 195
Gly Asp Ile Arg Leu Leu Phe Ser Arg Arg Ser Leu Glu Leu Asp
200 205 210
Thr Gly Leu Pro Tyr Glu Leu Gln Ala Val Thr Glu Ala Pro His
215 220 225
Asn Pro Arg Tyr Ser Pro Leu Pro
230

<210> 16
<211> 357
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone 2805526

<400> 16

Met	Glu	Val	Leu	Arg	Pro	Gln	Leu	Ile	Arg	Ile	Asp	Gly	Arg	Asn
1					5				10				15	
Tyr	Arg	Lys	Asn	Pro	Val	Gln	Glu	Gln	Thr	Tyr	Gln	His	Glu	Glu
					20				25				30	
Asp	Glu	Glu	Asp	Phe	Tyr	Gln	Gly	Ser	Met	Glu	Cys	Ala	Asp	Glu
					35				40				45	
Pro	Cys	Asp	Ala	Tyr	Glu	Val	Glu	Gln	Thr	Pro	Gln	Gly	Phe	Arg
					50				55				60	
Ser	Thr	Leu	Arg	Ala	Pro	Ser	Leu	Leu	Tyr	Lys	His	Ile	Val	Gly
					65				70				75	
Lys	Arg	Gly	Asp	Thr	Arg	Lys	Lys	Ile	Glu	Met	Glu	Thr	Lys	Thr
					80				85				90	
Ser	Ile	Ser	Ile	Pro	Lys	Pro	Gly	Gln	Asp	Gly	Glu	Ile	Val	Ile
					95				100				105	
Thr	Gly	Gln	His	Arg	Asn	Gly	Val	Ile	Ser	Ala	Arg	Thr	Arg	Ile
					110				115				120	
Asp	Val	Leu	Leu	Asp	Thr	Phe	Arg	Arg	Lys	Gln	Pro	Phe	Thr	His
					125				130				135	
Phe	Leu	Ala	Phe	Phe	Leu	Asn	Glu	Val	Glu	Val	Gln	Glu	Gly	Phe
					140				145				150	
Leu	Arg	Phe	Gln	Glu	Glu	Val	Leu	Ala	Lys	Cys	Ser	Met	Asp	His
					155				160				165	
Gly	Val	Asp	Ser	Ser	Ile	Phe	Gln	Asn	Pro	Lys	Lys	Leu	His	Leu
					170				175				180	
Thr	Ile	Gly	Met	Leu	Val	Leu	Leu	Ser	Glu	Glu	Glu	Ile	Gln	Gln
					185				190				195	
Thr	Cys	Glu	Met	Leu	Gln	Gln	Cys	Lys	Glu	Glu	Phe	Ile	Asn	Asp
					200				205				210	
Ile	Ser	Gly	Gly	Lys	Pro	Leu	Glu	Val	Glu	Met	Ala	Gly	Ile	Glu
					215				220				225	
Tyr	Met	Asn	Asp	Asp	Pro	Gly	Met	Val	Asp	Val	Leu	Tyr	Ala	Lys
					230				235				240	
Val	His	Met	Lys	Asp	Gly	Ser	Asn	Arg	Leu	Gln	Glu	Leu	Val	Asp
					245				250				255	
Arg	Val	Leu	Glu	Arg	Phe	Gln	Ala	Ser	Gly	Leu	Ile	Val	Lys	Glu
					260				265				270	
Trp	Asn	Ser	Val	Lys	Leu	His	Ala	Thr	Val	Met	Asn	Thr	Leu	Phe
					275				280				285	
Arg	Lys	Asp	Pro	Asn	Ala	Glu	Gly	Arg	Tyr	Asn	Leu	Tyr	Thr	Ala
					290				295				300	
Glu	Gly	Lys	Tyr	Ile	Phe	Lys	Glu	Arg	Glu	Ser	Phe	Asp	Gly	Arg
					305				310				315	
Asn	Ile	Leu	Lys	Leu	Phe	Glu	Asn	Phe	Tyr	Phe	Gly	Ser	Leu	Lys
					320				325				330	
Leu	Asn	Ser	Ile	His	Ile	Ser	Gln	Arg	Phe	Thr	Val	Asp	Ser	Phe
					335				340				345	
Gly	Asn	Tyr	Ala	Ser	Cys	Gly	Gln	Ile	Asp	Phe	Ser			
					350				355					

<210> 17

PF-0695-2 CON

<211> 251
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone 2850382

<400> 17
Met Glu Pro Gly Glu Glu Leu Glu Glu Gly Ser Pro Gly Gly
1 5 10 15
Arg Glu Asp Gly Phe Thr Ala Glu His Leu Ala Ala Glu Ala Met
20 25 30
Ala Ala Asp Met Asp Pro Trp Leu Val Phe Asp Ala Arg Thr Thr
35 40 45
Pro Ala Thr Glu Leu Asp Ala Trp Leu Ala Lys Tyr Pro Pro Ser
50 55 60
Gln Val Thr Arg Tyr Gly Asp Pro Gly Ser Pro Asn Ser Glu Pro
65 70 75
Val Gly Trp Ile Ala Val Tyr Gly Gln Gly Tyr Ser Pro Asn Ser
80 85 90
Gly Asp Val Gln Gly Leu Gln Ala Ala Trp Glu Ala Leu Gln Thr
95 100 105
Ser Gly Arg Pro Ile Thr Pro Gly Thr Leu Arg Gln Leu Ala Ile
110 115 120
Thr His His Val Leu Ser Gly Lys Trp Leu Met His Leu Ala Pro
125 130 135
Gly Phe Lys Leu Asp His Ala Trp Ala Gly Ile Ala Arg Ala Val
140 145 150
Val Glu Gly Arg Leu Gln Val Ala Lys Val Ser Pro Arg Ala Lys
155 160 165
Glu Gly Gly Arg Gln Val Ile Cys Val Tyr Thr Asp Asp Phe Thr
170 175 180
Asp Arg Leu Gly Val Leu Glu Ala Asp Ser Ala Ile Arg Ala Ala
185 190 195
Gly Ile Lys Cys Leu Leu Thr Tyr Lys Pro Asp Val Tyr Thr Tyr
200 205 210
Leu Gly Ile Tyr Arg Ala Asn Arg Trp His Leu Cys Pro Thr Leu
215 220 225
Tyr Glu Ser Arg Phe Gln Leu Gly Gly Ser Ala Arg Gly Ser Arg
230 235 240
Val Leu Asp Arg Ala Asn Asn Val Glu Leu Thr
245 250

<210> 18
<211> 105
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature

PF-0695-2 CON

<223> Incyte Clone 2929276

<400> 18

Met	Ser	Ile	Tyr	Phe	Pro	Ile	His	Cys	Pro	Asp	Tyr	Leu	Arg	Ser
1				5					10				15	
Ala	Lys	Met	Thr	Glu	Val	Met	Met	Asn	Thr	Gln	Pro	Met	Glu	Glu
				20					25				30	
Ile	Gly	Leu	Ser	Pro	Arg	Lys	Asp	Gly	Leu	Ser	Tyr	Gln	Ile	Phe
				35					40				45	
Pro	Asp	Pro	Ser	Asp	Phe	Asp	Arg	Cys	Cys	Lys	Leu	Lys	Asp	Arg
				50					55				60	
Leu	Pro	Ser	Ile	Val	Val	Glu	Pro	Thr	Glu	Gly	Glu	Val	Glu	Ser
				65					70				75	
Gly	Glu	Leu	Arg	Trp	Pro	Pro	Glu	Glu	Phe	Leu	Val	Gln	Glu	Asp
				80					85				90	
Glu	Gln	Asp	Asn	Cys	Glu	Glu	Thr	Ala	Lys	Glu	Asn	Lys	Glu	Gln
				95					100				105	

TOP SECRET//EYES ONLY

<210> 19

<211> 876

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone 3033039

<400> 19

Met	Thr	Met	Asp	Ala	Leu	Leu	Ala	Arg	Leu	Lys	Leu	Leu	Asn	Pro
1				5					10				15	
Asp	Asp	Leu	Arg	Glu	Glu	Ile	Val	Lys	Ala	Gly	Leu	Lys	Cys	Gly
				20					25				30	
Pro	Ile	Thr	Ser	Thr	Thr	Arg	Phe	Ile	Phe	Glu	Lys	Lys	Leu	Ala
				35					40				45	
Gln	Ala	Leu	Leu	Glu	Gln	Gly	Gly	Arg	Leu	Ser	Ser	Phe	Tyr	His
				50					55				60	
His	Glu	Ala	Gly	Val	Thr	Ala	Leu	Ser	Gln	Asp	Pro	Gln	Arg	Ile
				65					70				75	
Leu	Lys	Pro	Ala	Glu	Gly	Asn	Pro	Thr	Asp	Gln	Ala	Gly	Phe	Ser
				80					85				90	
Glu	Asp	Arg	Asp	Phe	Gly	Tyr	Ser	Val	Gly	Leu	Asn	Pro	Pro	Glu
				95					100				105	
Glu	Glu	Ala	Val	Thr	Ser	Lys	Thr	Cys	Ser	Val	Pro	Pro	Ser	Asp
				110					115				120	
Thr	Asp	Thr	Tyr	Arg	Ala	Gly	Ala	Thr	Ala	Ser	Lys	Glu	Pro	Pro
				125					130				135	
Leu	Tyr	Tyr	Gly	Val	Cys	Pro	Val	Tyr	Glu	Asp	Val	Pro	Ala	Arg
				140					145				150	
Asn	Glu	Arg	Ile	Tyr	Val	Tyr	Glu	Asn	Lys	Lys	Glu	Ala	Leu	Gln
				155					160				165	
Ala	Val	Lys	Met	Ile	Lys	Gly	Ser	Arg	Phe	Lys	Ala	Phe	Ser	Thr

	170	175	180
Arg Glu Asp Ala Glu Lys Phe Ala Arg Gly Ile Cys Asp Tyr Phe			
	185	190	195
Pro Ser Pro Ser Lys Thr Ser Leu Pro Leu Ser Pro Val Lys Thr			
	200	205	210
Ala Pro Leu Phe Ser Asn Asp Arg Leu Lys Asp Gly Leu Cys Leu			
	215	220	225
Ser Glu Ser Glu Thr Val Asn Lys Glu Arg Ala Asn Ser Tyr Lys			
	230	235	240
Asn Pro Arg Thr Gln Asp Leu Thr Ala Lys Leu Arg Lys Ala Val			
	245	250	255
Glu Lys Gly Glu Asp Thr Phe Ser Asp Leu Ile Trp Ser Asn			
	260	265	270
Pro Arg Tyr Leu Ile Gly Ser Gly Asp Asn Pro Thr Ile Val Gln			
	275	280	285
Glu Gly Cys Arg Tyr Asn Val Met His Val Ala Ala Lys Glu Asn			
	290	295	300
Gln Ala Ser Ile Cys Gln Leu Thr Leu Asp Val Leu Glu Asn Pro			
	305	310	315
Asp Phe Met Arg Leu Met Tyr Pro Asp Asp Asp Glu Ala Met Leu			
	320	325	330
Gln Lys Arg Ile Arg Tyr Val Val Asp Leu Tyr Leu Asn Thr Pro			
	335	340	345
Asp Lys Met Gly Tyr Asp Thr Pro Leu His Phe Ala Cys Lys Phe			
	350	355	360
Gly Asn Ala Asp Val Val Asn Val Leu Ser Ser His His Leu Ile			
	365	370	375
Val Lys Asn Ser Arg Asn Lys Tyr Asp Lys Thr Pro Glu Asp Val			
	380	385	390
Ile Cys Glu Arg Ser Lys Asn Lys Ser Val Glu Leu Lys Glu Arg			
	395	400	405
Ile Arg Glu Tyr Leu Lys Gly His Tyr Tyr Val Pro Leu Leu Arg			
	410	415	420
Ala Glu Glu Thr Ser Ser Pro Val Ile Gly Glu Leu Trp Ser Pro			
	425	430	435
Asp Gln Thr Ala Glu Ala Ser His Val Ser Arg Tyr Gly Gly Ser			
	440	445	450
Pro Arg Asp Pro Val Leu Thr Leu Arg Ala Phe Ala Gly Pro Leu			
	455	460	465
Ser Pro Ala Lys Ala Glu Asp Phe Arg Lys Leu Trp Lys Thr Pro			
	470	475	480
Pro Arg Glu Lys Ala Gly Phe Leu His His Val Lys Lys Ser Asp			
	485	490	495
Pro Glu Arg Gly Phe Glu Arg Val Gly Arg Glu Leu Ala His Glu			
	500	505	510
Leu Gly Tyr Pro Trp Val Glu Tyr Trp Glu Phe Leu Gly Cys Phe			
	515	520	525
Val Asp Leu Ser Ser Gln Glu Gly Leu Gln Arg Leu Glu Glu Tyr			
	530	535	540
Leu Thr Gln Gln Glu Ile Gly Lys Lys Ala Gln Gln Glu Thr Gly			
	545	550	555
Glu Arg Glu Ala Ser Cys Arg Asp Lys Ala Thr Thr Ser Gly Ser			
	560	565	570
Asn Ser Ile Ser Val Arg Ala Phe Leu Asp Glu Asp Asp Met Ser			

	575		580		585
Leu Glu Glu Ile Lys Asn Arg Gln Asn Ala Ala Arg Asn Asn Ser					
590		595		600	
Pro Pro Thr Val Gly Ala Phe Gly His Thr Arg Cys Ser Ala Phe					
605		610		615	
Pro Leu Glu Gln Glu Ala Asp Leu Ile Glu Ala Ala Glu Pro Gly					
620		625		630	
Gly Pro His Ser Ser Arg Asn Gly Leu Cys His Pro Leu Asn His					
635		640		645	
Ser Arg Thr Leu Ala Gly Lys Arg Pro Lys Ala Pro Arg Gly Glu					
650		655		660	
Glu Ala His Leu Pro Pro Val Ser Asp Leu Thr Val Glu Phe Asp					
665		670		675	
Lys Leu Asn Leu Gln Asn Ile Gly Arg Ser Val Ser Lys Thr Pro					
680		685		690	
Asp Glu Ser Thr Lys Thr Lys Asp Gln Ile Leu Thr Ser Arg Ile					
695		700		705	
Asn Ala Val Glu Arg Asp Leu Leu Glu Pro Ser Pro Ala Asp Gln					
710		715		720	
Leu Gly Asn Gly His Arg Arg Thr Glu Ser Glu Met Ser Ala Arg					
725		730		735	
Ile Ala Lys Met Ser Leu Ser Pro Ser Ser Pro Arg His Glu Asp					
740		745		750	
Gln Leu Glu Val Thr Arg Glu Pro Ala Arg Arg Leu Phe Leu Phe					
755		760		765	
Gly Glu Glu Pro Ser Lys Leu Asp Gln Asp Val Leu Ala Ala Leu					
770		775		780	
Glu Cys Ala Asp Val Asp Pro His Gln Phe Pro Ala Val His Arg					
785		790		795	
Trp Lys Ser Ala Val Leu Cys Tyr Ser Pro Ser Asp Arg Gln Ser					
800		805		810	
Trp Pro Ser Pro Ala Val Lys Gly Arg Phe Lys Ser Gln Leu Pro					
815		820		825	
Asp Leu Ser Gly Pro His Ser Tyr Ser Pro Gly Arg Asn Ser Val					
830		835		840	
Ala Gly Ser Asn Pro Ala Lys Pro Gly Leu Gly Ser Pro Gly Arg					
845		850		855	
Tyr Ser Pro Val His Gly Ser Gln Leu Arg Arg Met Ala Arg Leu					
860		865		870	
Ala Glu Leu Ala Ala Leu					
875					

<210> 20
<211> 505
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone 3039890

<400> 20
 Met Ser Arg Ser Tyr Asn Asp Glu Leu Gln Phe Leu Glu Lys Ile
 1 5 10 15
 Asn Lys Asn Cys Trp Arg Ile Lys Lys Gly Phe Val Pro Asn Met
 20 25 30
 Gln Val Glu Gly Val Phe Tyr Val Asn Asp Ala Leu Glu Lys Leu
 35 40 45
 Met Phe Glu Glu Leu Arg Asn Ala Cys Arg Gly Gly Val Gly
 50 55 60
 Gly Phe Leu Pro Ala Met Lys Gln Ile Gly Asn Val Ala Ala Leu
 65 70 75
 Pro Gly Ile Val His Arg Ser Ile Gly Leu Pro Asp Val His Ser
 80 85 90
 Gly Tyr Gly Phe Ala Ile Gly Asn Met Ala Ala Phe Asp Met Asn
 95 100 105
 Asp Pro Glu Ala Val Val Ser Pro Gly Gly Val Gly Phe Asp Ile
 110 115 120
 Asn Cys Gly Val Arg Leu Leu Arg Thr Asn Leu Asp Glu Ser Asp
 125 130 135
 Val Gln Pro Val Lys Glu Gln Leu Ala Gln Ala Met Phe Asp His
 140 145 150
 Ile Pro Val Gly Val Gly Ser Lys Gly Val Ile Pro Met Asn Ala
 155 160 165
 Lys Asp Leu Glu Glu Ala Leu Glu Met Gly Val Asp Trp Ser Leu
 170 175 180
 Arg Glu Gly Tyr Ala Trp Ala Glu Asp Lys Glu His Cys Glu Glu
 185 190 195
 Tyr Gly Arg Met Leu Gln Ala Asp Pro Asn Lys Val Ser Ala Arg
 200 205 210
 Ala Lys Lys Arg Gly Leu Pro Gln Leu Gly Thr Leu Gly Ala Gly
 215 220 225
 Asn His Tyr Ala Glu Ile Gln Val Val Asp Glu Ile Phe Asn Glu
 230 235 240
 Tyr Ala Ala Lys Lys Met Gly Ile Asp His Lys Gly Gln Val Cys
 245 250 255
 Val Met Ile His Ser Gly Ser Arg Gly Leu Gly His Gln Val Ala
 260 265 270
 Thr Asp Ala Leu Val Ala Met Glu Lys Ala Met Lys Arg Asp Lys
 275 280 285
 Ile Ile Val Asn Asp Arg Gln Leu Ala Cys Ala Arg Ile Ala Ser
 290 295 300
 Pro Glu Gly Gln Asp Tyr Leu Lys Gly Met Ala Ala Ala Gly Asn
 305 310 315
 Tyr Ala Trp Val Asn Arg Ser Ser Met Thr Phe Leu Thr Arg Gln
 320 325 330
 Ala Phe Ala Lys Val Phe Asn Thr Thr Pro Asp Asp Leu Asp Leu
 335 340 345
 His Val Ile Tyr Asp Val Ser His Asn Ile Ala Lys Val Glu Gln
 350 355 360
 His Val Val Asp Gly Lys Glu Arg Thr Leu Leu Val His Arg Lys
 365 370 375
 Gly Ser Thr Arg Ala Phe Pro Pro His His Pro Leu Ile Ala Val
 380 385 390
 Asp Tyr Gln Leu Thr Gly Gln Pro Val Leu Ile Gly Gly Thr Met

395	400	405
Gly Thr Cys Ser Tyr Val Leu Thr Gly Thr Glu Gln Gly Met Thr		
410	415	420
Glu Thr Phe Gly Thr Thr Cys His Gly Ala Gly Arg Ala Leu Ser		
425	430	435
Arg Ala Lys Ser Arg Arg Asn Leu Asp Phe Gln Asp Val Leu Asp		
440	445	450
Lys Leu Ala Asp Met Gly Ile Ala Ile Arg Val Ala Ser Pro Lys		
455	460	465
Leu Val Met Glu Glu Ala Pro Glu Ser Tyr Lys Asn Val Thr Asp		
470	475	480
Val Val Asn Thr Cys His Asp Ala Gly Ile Ser Lys Lys Ala Ile		
485	490	495
Lys Leu Arg Pro Ile Ala Val Ile Lys Gly		
500	505	

TOP SECRET//NOFORN

<210> 21
<211> 1929
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone 1841446

<400> 21
cggaagcaaa ggagccaaga ccatggcgaa agccgggat aagagcagca gcagcgggaa 60
gaaaagtcta aaacggaaag ccgtgcgcga agaacttcag gaggctgcag ggcgtggga 120
tggggcgacg gaaaacgggg tccaaaccccc gaaagcggct gcctttccgc caggcttag 180
catttcggag attaaaaaca aacagcggcg acacttaatg ttacacgcgtt ggaaacacagca 240
gcagcggaaag gaaaagtgg cagctaagaa aaaacttaaa aaagaaagag aggctcttg 300
cgataaggct ccaccaaagc ctgtacccaa gaccattgac aaccagcggag tgtatgatga 360
aaccacagta gaccctaatg atgaagaggt cgcttatgat gaagctacag atgaatttgc 420
ttcttacttc aacaaacaga ctctcccaa gattctcatc acaacatcag atagacctca 480
tgggagaaca gtacgactct gtAACAGCT ctcccacagtt atacccaaact cacatgtta 540
ttacagaaga ggactggctc tgaaaaaaaaat tattccacag tgcacatcgaa gagatttcac 600
agacctgatt gttattaatg aagatcgtaa aaccccaaattt ggacttattt tgagtcaatt 660
gccaaatggc ccaactgctc attttaaaat gagcagtgtt cgtcttcgtt aagaaattaa 720
gagaagaggc aaggaccaca cagaacacat acctgaaata attctgaata attttacaac 780
acggctgggt cattcaattt gacgtatgtt tgcacatcttc ttccctcata atccctcaattt 840
tatcggaaagg cagggttgcctt cattccacaa tcaacgggat tacatatttct tcagatttca 900
cagatacata ttccaggatg aaaagaaagt gggaaattcag gaacttggac cacgttttac 960
ctttaaaatattt aggtctttc agaaaggaac ctttgattct aaatatggag agtatgaatg 1020
ggccataag cccccggaaa tggatacaag tagaagaaaa ttccattttat aaagtactga 1080
gagaatgata ttggatttt ctgaacaggc ctatcttgc ctttggtaaa ttattttgc 1140
cagaataactc ttttcaaaaat ggcatttgct gatttcataa acctttcacg tctggacgaa 1200
ttaccaaattt ccatgaattt ccactgtgtt tttatgttgc aaatacaaat aaaagttattt 1260
ttgatggctt aggtttcattt aaacttagtt ctcttgcattt tgggttaactg tgaataattt 1320
agtttggatc aagattcaga ttaactttcc tatttgcata gaacacatga gaggaataaa 1380
atggttggta aatattggct aacccttgcattt ttttatacca gattaacattt ggattcccag 1440
tgtctggcac agtttaataa gcttaaatgg aggccaggat tctggatgtt ttaacattt 1500

cttaaggcctt cagaagggta aaaaatttaa agcaaatga tctaccaggg tttaaagcaa 1560
 agttgcaaat tactgaagct aatctttgct tcctgatttt gaggttttg gtttttgtg 1620
 cccacgttgt ggggagctct ttttacctc attacatggt gctgttagtc tccattcagg 1680
 cactgaaaca aagttAACCC tataagtaac tcatggatgg aaACCCgtAG aacttaacag 1740
 cctcctcctg accttaaaaag aataaagggt cacagttac cttaattcc ctagcagtct 1800
 tgccagatgt atggcataaa gtcatgttag aagagtaggt ggaaaaaaact gtacaaacct 1860
 aacccttca ggtgttcaga acagattaat ataccatgta ttaataccca ataataatgc 1920
 aaaataaaag 1929

<210> 22
 <211> 2113
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone 1850310

<400> 22
 ctgccacgcc actgtgtcat gaaggaaagt gaaagggAAC gaggaagtag gaatgccac 60
 gctcggtgac tccgtgggtg aatacagcag ttaggacata cacaccatca ccttGAAAG 120
 tgcttgggg ggggagggaa ggacatacgg gtaactagaa ctacccAGCG agtcgtccag 180
 aggagaggat caggTTGAG tcaggaggct ccctgtactg gagtcgtccc actattcctc 240
 aagaaatctt agaaccagct tgtgaggaaa aacatTTTT aatgtataaa aaatATGCCA 300
 ttattcttg aaatGCCAA tgatataat atttgccta atacatattt attgttagatg 360
 aaatgcactc ttctcgatga ggctcgatt tgaatcaatg gggTGGGCC caggaaatgt 420
 cagagGAACC agaactcaga actcttcctc ctggacctt cttccCTTCC cttggaggta 480
 tccCTTGAAC tcaggcctct ctcttctcat cagtctgttag cttccccCTC tgtataacct 540
 gctttccTTT ttacatttat taaaagtggA tttgtaaaaa gcatttcatt gacacgcgac 600
 ctatcacaga caatggaaatt cgTCAGTGGT ggtaagactg aaatCCTGAT gctttcaca 660
 ctTCTGTCT cttgctatgt atttctgcct ctAGCCTTGC catgttttgc cttttttttt 720
 tcttttggc caattccTTT ttatATGTGC ccacaacaga ggtggggaga cacggagcac 780
 cctgggtcct tcccAGCGCT gctgggcagg ccccgtctcc agggccccAGC tggtaaact 840
 ttgaagggca acaaacaacc atccacactg ccggacccTA ggctgtttcag ggaggcagct 900
 catttccacc ccggccccAG gacacccAGC ctgtGCCCA caaggatctc tctaaatggg 960
 agggatttag gctactttc tgccaAGCCC tattaagttag taatgtgggg aaacccACTG 1020
 tgtcagtgcA ggaagcccta gacAAATGTT ttCAAATAAA ttTCACTGCC cagcctgcac 1080
 agatttccat ttgaagtact tcccatccac cctgacaccc aaaggGGGTT tttgttttg 1140
 ttttGTTTTT gagacagggt ctTGCTTTG TGCCCAGGCT ggagtgcagt gacgtgtca 1200
 tagtcactg cagcctcaac ctccTGGGCT caagtGACCC tcctgcctca gcctcccaa 1260
 gttctgagat gataggcatg agccattgtg cctagcttat tttgatTTTT ttcttagagt 1320
 caaggtcttg ctctgttgcc caggctgatc ttggacttgc gagccacCAT gcctggctgg 1380
 gttttttaa aaatagaatc tcactgtatag cctgcaagaa acagatgcag tgccTGTTC 1440
 cgtatcagtc caaggAGCCC tcgtgtttgc cacCTTacc tttgaacctc cccctgcctc 1500
 cctgcctgtc tccgcTTTG cagctcaatg cagccatgac aaggAAAGAA aagacAAAGG 1560
 aaggccAGAG agccgcgcAG ttctctgcAG gtgcagatgc aggcaGTTGA ggtggcTGA 1620
 gcaggcAgAA ggacaccaAG cgcCTATGT tgcttgcat tcatgacgtg gtcttgAGC 1680
 ttctgacttag ttcaGACTGC cacGCCAACC ccAGAAAATA cccCACATGC cagAAAAGT 1740
 aagtccTAGG tgTTTCCATC tatgtttcaa tctgtccatc taccaggcct cgcgataAAA 1800
 acaaAAACAAA AAAACGCTGC cagTTTTAG aagcAGTTCT ggtctcaAAA ccatcaggat 1860
 cctGCCACCA gggttCTTTT gaaatAGTAC cacatgtAAA agggAAATTG gctttcactt 1920
 catctaATCA ctgaATTGTC aggtttGAT tgataATTGT agaaaATAAGT agccttctgt 1980
 tgtggAATA agttataATC agtattcATC tctttgtttt ttgtcacttC tttctctca 2040

PF-0695-2 CON

attgtgtcat ttgtactgtt tgaaaaatat ttcttctata aaattaaact aacctgcctt 2100
aaaaaaaaaaa aaa 2113

```
<210> 23  
<211> 1652  
<212> DNA  
<213> Homo sapiens
```

<220>
<221> misc_feature
<223> Incyte Clone 1887020

<400> 23
gacgagggtgc tattcgagtgc ttagtgggtgg aacggggacca cacgtattca caggcctcca 60
ctgggctctc agtaggtggg atttgtcagc agttcttcatt gcctgagaac atccagctct 120
cccttttc agccagctt ctacggaaaca tcaatgagta cctggccgta gtcgatgctc 180
ctccccctgga cctccgggttc aaccctcggtt gctacctttt gctggcttca gaaaaggatg 240
ctgcagccat ggagagcaac gtgaaagtgc agaggcagga gggagccaaa gtttctctga 300
tgtctctgta tcagcttcgg aacaagttt cctggataaaa cacagaggga gtggctttgg 360
cgtcttatgg gatggaggac gaaggttggg ttgacccttg gtgtctgctc caggggcttc 420
ggcgaaggt ccagtccttggg ggagtcctt tctgccaggg agaggtgaca cggtttgtct 480
cttcatctca acgcattgtt accacagatg acaaagcggt ggtcttggaaa aggtatccatg 540
aagtccatgt gaagatggac cgcagcctgg agtaccagcc tggaaatgc gccattgtga 600
tcaacgcagc cggagcctgg tctgcgaaaa tcgcagcaact ggctgggtt ggagaggggc 660
cgccctggcac cctgcagggc accaagctac ctgtggagcc gaggaaaagg tatgtgtatg 720
tgtggcactg cccccagggc ccagggcttag agactccgct tggcagac accagtggag 780
cctattttcg cggggaaagga ttaggttagca actaccttagg tggcgttagc cccactgagc 840
aggaagaacc ggacccggcg aacctggaag tggaccatga ttcttccag gacaagggtg 900
ggccccattt ggccctgagg gtcccagctt ttgagactct gaaggttcag agccctggg 960
ccggctatta cgactacaac acctttgacc agaatggcgt ggtggggccc caccgcctag 1020
ttgtcaacat gtactttgct actggcttca gtggcacgg gctccagcag gcccctggca 1080
ttggcggagc tgttagcagag atggtaactga agggcagggtt ccagaccatc gacctgagcc 1140
ccttccttta taccgcctt tacttggag agaagatcca ggagaacaac atcatctgag 1200
catgtgtgct ctgcactggc tccactggct tgcatcctgg ctgtgttac agccttggttt 1260
gctgcttcca tcttccccag tactgtgcca ggccttctcc ccctccccag tgcctctcc 1320
tctcaggcag gccattgcac ccatatggct gggcaggcac aggcagttag gccgaggcc 1380
atagcgagtgc atgagcgggc tccttagact gatctgttagc ccatgctgat gtcacccacc 1440
agggcaatcc atctggaggc ctgagcaccc tggcccagga ctggcttcat cctggcactg 1500
accagggaaag actgcctctg accctttag cagacagagc ccaggcatgg gagcactctg 1560
gggcagccctg gctcagggttt attgattttc gtctgtttac cctatccatt aatcaataca 1620
tgtaaataac tccttccaaa aaaaaaaaaaa aa 1652

<210> 24
<211> 1120
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone 1911421

<400> 24

agagcggccgg aagcgggtccg agaatgaaga gtgtgatcta ccatgcattt tctcagaaaag 60
 aggcaatga ctccgatgtc cagccattcg gggcacagcg gcccggggcc ttctgtgggg 120
 ccttcctgaa gcgcagcacg cccccatga gccccggc cccgcaggac cagctgcagc 180
 gcaaggcggt ggtcctggag tacttcaccc gccacaagcg caaggagaag aagaagaaaag 240
 ccaaaggcct ctctgcccagg caaaggaggg agctgcggct ctttgacatt aaaccagagc 300
 agcagagata cagcctttc ctccctctcc atgaactctg gaaacagtac atcagggacc 360
 tgtgcagtgg gctcaagcca gacacgcagc cacagatgt tcaggccaag ctcttaaagg 420
 cagatcttca cggggctatt atttcagtga caaaaatccaa atggccctt tatgtgggta 480
 ttacaggaat ccttctacag gaaacaaaagc acatttccaa aattatcacc aaagaagacc 540
 gcctgaaagt tatccccaaag ctaaactgcg tgttactgt ggaaaccgat ggctttattt 600
 cctacatttca cgggagccaa ttccagctt ggtcaagtga acggctgcg aagaagttca 660
 aagcgaaggg aacgatttgc ctgtgaattt tttgccgtt aaggcagttt tttatgacag 720
 ctgaaaactg gacactccct aaatgtccac ctttcagtga agagatagtt aagccaattt 780
 catttataga ccacccctcag ccagtgcgc tccgagttga ggatgttga caacatggga 840
 aggtcgcagc gtactaagtg aagaagtcag aggacagagg aatttcttct tctaggagat 900
 tttcattttgc tggtactccc atggggagga acagactggc aggaagcaca ccggggtaa 960
 cactgggttga cttgaatagg attattcgat ttttaaaaat actttccat gttttcttag 1020
 tgctctatga taaatcgtt gcatctgtga taatacagta catatgtgga cataaacagg 1080
 gatcaaataa aggaggattt gctgcaaaaa aaaaaaaaaaa 1120

<210> 25
 <211> 1000
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone 1911910

<400> 25
 agtcctggaa agcgttggc gcccgggttgc tctggagccg ggtctcggtt ctgggtggctg 60
 cccggccctgc ggcacatctcg catggggagc acggagagca gcggggccg cagggtgtcc 120
 ttccggagtgg acgaggagga gcgggtccgg gtgctgcagg gtgtccggct gtctgaaaac 180
 gtggtaacc gcatgaagga gcccagctt ccacccctt ctcccacatc ttctacccctt 240
 ggccttcaag atggcaactt gagagccctt cacaagaat ccacactgcc caggtcgaaaa 300
 agcagtggc gccagcagcc ctcaaggatg aaggagggtt tcaagaggta tgaacaggag 360
 catgctgcta tccaggataa gctttccag gtggcaaaa gggaaagaga ggctgcacc 420
 aagcaactcca aggcatccct gcccacgggc gaaggcagca tcagccatga ggagcagaag 480
 tcagtccggc tggccaggaa gctggagagc agagaggcag agctaagacg ccgtgacacc 540
 ttctacaagg agcagctggc gcgtatttag aggaagaatg ctgagatgtt taaaactgtct 600
 tcagagcaat tccatgggc agcctcaaaat atggagagca caataaagcc ccgcagggtt 660
 gagcccgctt gctcagggtt gcaggccctt attctccact gctaccgaga tggcccgat 720
 gaggtgctgc tggctcgaa cctggctcaag gcataaccagc gctgcgttag cgccgcccac 780
 aagggtctgag gagcagacat cattccctgc cctggcagtg acttggagcc ctgaagaagg 840
 gaccaatcat gggaccacag ccactgtgcc ctggcgtttc ctgctggggcc cctgcataatg 900
 cccctgagcc tggggctgccc acgtgttttag gaaacaaaat atgcgtact gtctgaaaac 960
 aaataaagca gatgcctttt tttcaaaaaa aaaaaaaaaaa 1000

<210> 26
 <211> 2273
 <212> DNA
 <213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone 1928920

<400> 26

```

gggggtgaag cgatacgttt tgccgcatt cggggcgcbc ggactgggg ggtccctgtg  60
gggcctccgg agttaagatg gcgtcctcag cggaggggga cgaggggact gtggtggcgc 120
tggcgggggt tctgcagtcg ggttccagg agctgacccct taacaagttg ggcacgtccc 180
tggcgcgtc agaacaggcg ctgcggctga tcatctccat cttctgggt taccctttg 240
ctttttta tcggcattac ctttctaca aggagacca cctcatccac ctctccata 300
ccttacagg cctctcaatt gcttattta actttggaaa ccagctctac cactccctgc 360
tgtgtattgt gcttcaggc ctcatccttc gactaatggg ccgcaccatc actgccgtcc 420
tcactaccc ttgcttccag atggcctacc ttctggctgg atactattac actgccaccc 480
gcaactacga tatcaagtgg acaatgccac attgtgttct gactttgaag ctgattgggt 540
tggctgtga ctactttgac ggagggaaag atcagaattt cttgcctct gagcaacaga 600
aatatgccat acgtgggtt ccttccctgc tggaaagttgc tgggttctcc tacttctatg 660
gggccttctt ggttagggccc cagttctcaa tgaatacta catgaagctg gtgcagggag 720
agctgattga cataccagga aagataccaa acagcatcat tcctgctc aagcgccta 780
gtctgggcct tttctacca gtgggctaca cactgctcag ccccacatc acagaagact 840
atctccctcac tgaagactat gacaaccacc ccttctgtt ccgcgtcatg tacatgctga 900
tctggggcaa gtttgtgtg tacaatatg tcacctgtt gctggtcaca gaaggagtt 960
gcattttgac gggcctggc ttcaatggct ttgaagaaaa gggcaaggca aagtgggatg 1020
cctgtgcca catgaagggtg tggcttttgg aaacaaaccc ccgcctcact ggcaccattt 1080
cctcattcaa catcaacaccc aacgcctggg tggcccgcta catcttcaaa cgactcaagt 1140
tccttgaaa taaaagaactc tctcagggtc tctcggttctt attcctggcc ctctggcacg 1200
gcctgcactc aggatacctg gtctgcttcc agatggatt cctcattgtt attgtggaaa 1260
gacaggctgc caggctcattt caagagagcc ccacccctgag caagctggcc gccattactg 1320
tcctccagcc cttctactat ttggtgcaac agaccatcca ctgcgtctc atgggttact 1380
ccatgactgc cttctgcctc ttacacgtggg acaaattggct taaggtgtat aaatccatct 1440
atttccttgg ccacatcttcc ttccgtgagcc tactattcat attgccttat attcacaaag 1500
caatgggtgcc aaggaaagag aagttaaaga agatggaaata atccatttcc ctggtggcct 1560
gtgcgggact ggtgcagaaaa ctactcgtct ccctttcac agcactcctt tgccccagag 1620
cagagaatgg aaaagccagg gaggtggaaag atcgatgtt ccagctgtgc ctctgctgcc 1680
agccaagtct tcatttgggg ccaaaggaaa aactttttt tggagaaggc gtcttgcctt 1740
gtcaccacg ctggaatgca gtggggat ctgcgtcac cgcaacctcc acctccctggg 1800
ttcaagtgtat ttccctgcct cagccctccca agtagctggg aatacaggca cgccaccatg 1860
cccaagctaat ttttgtatcc tcagtagaaa cgggatttca ccacgttggc caggctggc 1920
tcgaactcct gaccgcaagt gatccacccg cctccgcctc ccaaagtgtt gggattacag 1980
gcgtgagcca ccgtgcccgg cccaaaggaaa aaactcttgc gggaggagca gaggggctca 2040
catctccctt ctgattcccc catgcacatt gccttatctc tcccatcttta gccaggaatc 2100
tattgtgttt ttcttctgccc aatttactat gattgtgtat gtggcgctac caccaccccc 2160
cccatggggg ggtggagagg ggtgcagggc cctgcgtct ccacttttc taccttgaa 2220
ctgtattaga taaaatcaact tctgtttca aaaaaaaaaaaa aaa 2273

```

<210> 27
<211> 925
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone 2170846

<400> 27
 cgcaaaaaaca gcctatagac gccacgagtc ggcggcgcta ccgaggggct gtgggcgcgc 60
 agcttggacc tccggctgtc agtgcgctta cagttcctaa ccccgaccct gcgcgcacccc 120
 gcactatggc agccccggcc cagctaaggg ctctgctcg agtgcgtcaac gcactgctgc 180
 gcaagcggcg ctaccacgct gcgttggccg tgcttaaggg cttccggaac ggggctgtct 240
 atggagccaa aatccgggcc cctcacgcgc tggcatgac ctttctcttc cggaatggca 300
 gcctccagga gaagctgtgg gccatactgc aggccacata tatccactcc tggAACCTGG 360
 cacgtttgt gttcacctac aagggtctcc gtgcctgtca gtccataca caaggcaaga 420
 cctaccacgc acacgcattc ctggccgcct tcctcgggg tattctggtg tttggagaaa 480
 acaataacat caacagccag atcaacatgt acctgttgtc acgcgtcctg tttgcctga 540
 gcccgcctggc tgttagagaag ggctacatcc ctgaaccagg gtgggaccgg ttcccgcgtc 600
 tcactgcgggt ggtgtgggg ctgggtgtgt ggcttttga gtatcacccga tccaccctgc 660
 agccctcgct gcagtccctcc atgacctacc tctatgagga cagcaatgtt tggcacgaca 720
 tctcagactt cctcatctat aacaagagcc gtccctccaa ttaatgcagc cctgaggtgt 780
 ctggctgtgg ctcaagattt ggccccatgc agaccctccc aaaggatact gccttctcaa 840
 gatcataggc ctcagactcc aactgggttt atcccagggt tctgtttgtt gaagtaaaaaa 900
 cactgattt aaaaaaaaaa aaaaaa 925

9
8
7
6
5
4
3
2
1
0

<210> 28
 <211> 1570
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <223> Incyte Clone 2176361

 <400> 28
 gggcctccgt ctccgacgct gacttcctca gcgcaccaggc actgtctccg gtggcaagtc 60
 gaccagctcc tcccacacgg attctgtgtt gaaatccacg gtatgtgtcat tggaaatgg 120
 cagggcatcc ctcaggaact gcagcgtcc ctgcaacttg gcacgcaggc tgggcaggc 180
 cggggtcacc gggagagggc aagaagccgc catgacgctc accctccgag gctgttaggt 240
 gcgcaaacat ggccgtgagg cgccagctcg gccccaaatta gcacaggcag gtcagtaga 300
 gctccgagcc ggattcccttc tgagcgttgg attgttccgg ctgggtgacg tattttgtgg 360
 gcgtccgtcg tggcttctg atgacgcatt agtgcgtcgc aatggcgccg gtgaggccgt 420
 cccgcgaagtgc gcccctgggt ggtatttgagg cgcgtggta aggggtttcc actgtcggt 480
 acaggaataa gaatgtgaga cagaagacat ggccgcctaa ccacccgcac gcttcgtgg 540
 ggagcgttcg cgagggacaaa ggcttgctt ttcgaagaaa actgaaaata cagcaaagtt 600
 acaagaaatt gctacggaaag gaaaagaagg ctcaaacgtc actggaatct caattcacag 660
 atcgataaccc agataatctg aaacatctt atttagctga agaggaaaga cataggaagc 720
 aagcaagaaa agtcgaccat ccttgcgtc aacaagttca ccagccgtt cttgaagaac 780
 agtgttagcat tgacgagcc ttatttgaag atcagtgttag ctttgaccag cctcagccag 840
 aagaacaatg tattaaaaca gtaaaactcct ttacaattcc aaagaaaaat aaaaagaaaa 900
 catcaaatca aaaagcacaa gaagaatatg aacagataca agccaaacgt gctgctaaga 960
 aacaagaatt cgagaggaga aaacaggaga gagaagaagc ccaaaggcag tacaaaaaga 1020
 agaaaaatggc agtgtttaaa atactgaaca aaaagactaa aaagggccaa ccaaacttga 1080
 atgtacaaat ggagtacctt cttcaaaaaa tacaagaaaa atgttaaaaca ttttgcctc 1140
 acaggttaaa atatctgctg cctatttagt tcttctgtga catgtgcctc ccagcagtga 1200
 actaaaatttgc tcgacataaa ctggattgtc aaactatgtc aaatataaga tgttcacata 1260
 tttttattat ggtaaaaat ttctaaata tggtctacat gtttcttatt tatttgcctc 1320
 tgaaggaagg ttggcctgaa gaactgaaag aacctcttat tttgcaagac aggcccaagc 1380
 atgtataact ttgttaccat atgagattt tatgaaataa attttttaaa aataaggaat 1440
 cagagctatc aatgaagcat ttcaatgaaa tatttcaatt tagtaaacag ttacgtgtt 1500

PF-0695-2 CON

ttaaaatcta tttaatgtat gagggaggca aagactcctc ttggactttt tatttat 1560
aagtacatgt 1570

<210> 29
<211> 1868
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone 2212732

<400> 29
tcaccatgat gatccagccc ttggtaaggc cgggactgca gaagcagtca tccctgaaaa 60
ccatgagggtt ctggcaggcc cagatgagca ccctcaggac acagatgcaa gagatgctga 120
tggggaggct agagatcggg agccagcaga ccaagcttg ctgcttagcc agtgtgggaa 180
taacctttag tccccttgc ctgaagctag ctcagctcca ccggggccaa cccttgggac 240
actgcctgaa gtagagacaa taagggcatg ctccatgccc caggagcttc ctcagtcccc 300
caggacccga cagcctgagc cagattcta ctgtgtcaag tggatccctt ggaaaggaga 360
acagacaccc atcatcaccc agagcactaa cggccctgc cctctccctt ccatcatgaa 420
catcctcttt cttagtggaa aggtgaagct ccccccgcag aagaagtga tcacatcgga 480
tgagctcatg gcccattttt gaaactgcct cctgtccatc aagccccagg agaagtca 540
gggacttcag cttaatttt acgagaatgt ggatgatgca atgacagtgc tgcctaaact 600
ggccacacgg ctggatgtca atgtgcgatt cacaggcgtc tctgatttt agtatacacc 660
cgagtgcagt gtctttgacc tgctaggcat acctctgtac catggctggc ttgttgc 720
acagcagagt cctgaggctg tgcgtcagt tggaaaactg agttacaacc agctgggtgg 780
gaggatcatc acctgcaaac actccagtga caccaaccc gtgacagaag gcctgattgc 840
agagcagttc ctggagacca cgcggccca gctgacccatc cacggactgt gtgagctgac 900
agcagctgt aaggagggtg aacttagcgt cttttccga aacaaccact ttagcaccat 960
gactaagcat aagagtcaact tatacctact ggtcaactgac caggccttc tacaggagga 1020
gcaagtcgta tgggagagcc tgccaaatgt ggatggagac agctgctttt gtgactctga 1080
ctttcacctg agtcattttt tggcaaggg gcctggagca gaaggtggga gtggctcccc 1140
agaaaagcag ctgcaggtag accaggacta cctgattgt ctgtccctgc agcagcaaca 1200
gccacgaggc ccgctgggc ttaccgactt ggagctggcc cagcagcttc agcaagagga 1260
gtatcaacag cagcaggcag cgccagccagt gcggatgcgg acgcgggtcc tgcactgca 1320
ggggagagga gccacatctg gacgcccagc cggggagcgt cggcagaggc cgaagcacga 1380
gtcagactgc attctgcgt agctctgccc cagtgccagg ctggcctgccc cttcttcca 1440
gaggctatgg ctagttggct tgctcccccg cttccacccccc tgagatgtgc tggataactt 1500
atttatggac tggggggat gagagcaggc aacaaatgcc aaggtcagac ttggtaatgt 1560
ccttgaccc acgtgcgtgc gccttcttg cctccacccccc aggcaacac taggattgg 1620
gggtttctgg ttctcaactc ccgtccctg aatagtccaca cgtatgtaca gactgaggct 1680
ctgggggtgag gtcctatcc agaatgcatt tcttctgtt cccatccctg ctgcctggat 1740
gctcctgatc acctaggcag gcctgtctcc agttgttca gagcttaatt tgggttcta 1800
tctcttattt gtaatgcatt cttgggtttt ggaaataaaaa cttctggccg ggcaaaaaaaaa 1860
aaaaaaaaa 1868

<210> 30
<211> 1401
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone 2303457

<400> 30

```

ccaagctgca gctggcaggg attgcggggt gccggccgtc tgagttttt taaaactgct 60
cgccgcgaag tctgtctgca gccaaaatgt ccaacagaaa caacaacaag cttcccgca 120
acctgcccga gttacagaat ctaatcaagc gagaccggcc gcctacatc gaggagttc 180
tacagcagta taatcactac aaatccaatg tggagattt caaattgcaa ccaaataaac 240
ccagcaaaga actagcagag ctggtgatgt ttatggcaca gattagtcac tgctaccag 300
agtacctaag taatttcct caagaggtga aagatcttct ctcctgcaat cataccgtat 360
tggatccaga tctgcaatgc acatttgc aagcttgat cttgctgaga aataagaatc 420
tcatcaatcc atcaaggctg cttagaactct tctttgaact tttcggtgc catgataaaac 480
ttctgcgaaa gactttatac acacatattg tgactgatat caagaatata aatgcaaaaac 540
acaagaacaa taaagtgaat gtatgttgc aaaatttcat gtacaccatg ttaagagata 600
gcaatgcaac cgccggccaa atgtctttag atgtaatgtat tgaactctac agaaggaaca 660
tctggaatga tgcaaaaaact gtcaatgttac tcacaactgc atgtttctt aaggtcacca 720
agatatttgt tgccgcttt acatttttc ttggggaaaga tgaagatgaa aaacaggaca 780
gtgactccga atctgaggat gatggaccaa cagcaagaga cctgcttagta caatatgcta 840
cagggaaagaa aagttccaaa aacaagaaaa agttggaaaa ggcaatgaaa gtgctcaaga 900
aacaaaaaaaaa gaagaaaaaa ccagaggtgt ttaacttttcc accattcac ttgattcatg 960
atcccccaaga ttttgcgaaa aaactactaa agcagcttga gtgctgtaaag gagaggttt 1020
aagtgaagat gatgctcatg aaccttatct ccagatttgtt gggatttcat gagctttcc 1080
tcttcaattt ctatccccctt ttgaaaaggt ttctgaagcc ccaccaaaagg gaggttaacca 1140
agatcccttct gtttggtaaa aaagatttctc atcaacttgtt accccaagg ttttttaatt 1200
catggtaat gcttggggaa aaaattttt ttaacggaaa aaaatctggg aaaatgttaa 1260
tgacagttgg gaatttaatg gttaaaagag gggtatataa acgctccaaa gtgttccttg 1320
ggggaaatag ttttggaaaga aattttttc aaaaaaatcc agggggctca agttaaaaaa 1380
accccccagg cgggtgtgtat t 1401

```

<210> 31
<211> 1409
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone 2317552

<400> 31

```

gtcgccgtacaa cttccggctg taaagatggc ggcttcctag tgagtccggcg 60
gctgatttag aaggagggttc aggctacggt gagccgaagc cacacaggag ccatggaaat 120
ggcagagccc agcagccccca ctgaagagga ggaggaggaa gaggagact cggcagagcc 180
tcggcccccgc actcgcttca atctgttcaagg ggctgaggac cggcagtag gggcacaggc 240
cagcgtggc agccgcagcg aggttgggg tgaggccgc agtgcgtatg atgggagcct 300
caacacttca ggagccggcc ctaagtccctg gcaggttccc cggccagccc ctgaggtcca 360
aattcggaca ccaagggtca actgtccaga gaaagtgtt atctgcctgg acctgtcaga 420
ggaaatgtca ctgccaaagc tggagtctt caacggctcc aaaaccaacg ccctcaatgt 480
ctcccagaag atgattgaga ttttcgttgc gacaaaacac aagatcgaca aaagccacga 540
gtttgcactg gtgggtgtga acgtatgcac ggcctggctg tctggcctga cctccgaccc 600
ccgcgagctc ttttttttttcc tccaggcagaa aacttgatctt ccgggtcacag agaacgtgca 660
ggaaggactt ttcagccatca tccaggcagaa aacttgatctt ccgggtcacag agaacgtgca 720
gacgattcccc cccgcataatg tggtccgcac catccttgatc tacagccgtc caccttgcca 780

```

gccccagttc	tccttgcacgg	agccccatgaa	gaaaatgttc	cagtgcccat	atttcttctt	840	
tgcacgttgtt	tacatccaca	atggcactga	ggagaaggag	gaggagatga	gttggaaagga	900	
tatgtttgcc	ttcatgggca	gcctggatac	caagggtacc	agctacaaaat	atgaggtggc	960	
actggctggg	ccagccctgg	agttgcacaa	ctgcatacgcg	aaactgttgg	cccacccccc	1020	
gcagcggcct	tgccagagcc	atgcttccta	cagcctgctg	gaggaggagg	atgaagccat	1080	
tgagggttag	gccactgtct	gaaccatccc	tgtacatctg	caccccttgg	tgcaagggaaag	1140	
tccttggcct	aaagccttgg	ttctcaaact	gggttccttg	ggacctccgg	ggtgggggggg	1200	
ttccaggagg	cacgttagggt	accttgcagg	gtctctaggag	ggaaaaccag	gattccagga	1260	
gggatcccaag	gaactgtggg	caccctttt	ctgtgtctcc	cagcccat	ccactccctag	1320	
tttgtcatgg	ataatttttg	ttcttccttg	tgtgat	ttt	gccatcaaaaa	taaaaatttg	1380
agactcgta	accgaaaaaaaaa	aaaaaaaaaa				1409	

<210> 32
<211> 1888
<212> DNA
<213> *Homo sapiens*

```
<220>
<221> misc_feature
<223> Incyte Clone 2416366
```

<400> 32
tgtgattcgg agagtgagga tccctcaagg aaccaggcta gtgattcggg aaatgaggag 60
ctactcaaac cccgagtcag tgactcttag agtgaggggc ctcagaaggg gcctgccagt 120
gactcagaaaa ctgaggatgc gtccagacac aaacagaagc cagagtcaga tgatgacagc 180
gacagggaga ataagggaga ggatacagaa atgcagaatg actccttcca ttcagacagc 240
catatggaca gaaaaaagtt tcacagttct gatagtgagg aggaagaaca caaaaagcaa 300
aaaatggaca gtgatgaaga tgaaaaaagag ggtgaggagg agaaagtgc gaagagaaaaa 360
gctgctgtgc tttctgatag tgaagatgaa gagaaaagcat cagcaaagaa gagtcgttgc 420
gtctctgatg cagatgactc tgacagtgtatgactc gctgtatca gacaagtgc caaaagagag 480
aagaccatag catctgacag tgaggaagaa gctggaaaag aattgtctga taagaaaaat 540
gaagagaagg atctgtttgg gagtgcacatg gactcaggca atgaagaaga aaatcttatt 600
gcagacatat ttggagaatc ttggatgaa gaggaagaag aatttacagg ttttaaccaa 660
gaagatctgg aagaagaaaa aggtgaaaaca caggtaaaag aagcagaaga ttcagattct 720
gatgataaca taaagagagg aaaacatatg gactttctgt cagatttga gatgatgtg 780
cagcgaaaaa agagcatgag tggcaagcgc agacggAACCCGCGC gcgatgtgg caccttatt 840
agtgatgcag acgacgtcgt gagtgcctatg atcgtcaaga tgaatgaagc tgctgaggaa 900
gacagacagt tgaacaatca aaaaaagcca gcactgaaaaa aattaacttt actgcctgt 960
gtagttatgc acctaagaa gcaggacattt aaagaaaacat tcattgacag tgggtgtatg 1020
tctgccatca aagaatggct ctcaccccta ccagatagga gtttgcctgc actcaagatc 1080
cgggaggagc tgctgaagat cctgcaagag ctgccttagtg tgagccagga gaccctgaag 1140
catagttggc ttggacgagc agtgatgtat ctctataaaac accccaagga gtcaaggct 1200
aacaaggaca tggcaggggaa attaatcaat gagtggctta ggccttatatt tggcttacc 1260
tcaaactaca aaggaatgac aagagaagaa agggagcaga gagatctaga acagatgcct 1320
caacgacgaa gaatgaacag cactgggtt cagacacccca gaagagacct gaaaaagggtg 1380
ctgacaggag aggagaaggc tcttagacct ggagatccctg gattctgtgc ccgtgcagg 1440
gtccccatgc ctccaaacaa ggactatgtt gtcaggccc aatggaatgt gaaaaatggag 1500
tcatccaggt ttccaggcgac ctccaaagag ggtatcgtc gactgataa acagatgaga 1560
aagttcacag atataaggaa aaaaagcaga tctgcacacg cagtggaaat cagcatttag 1620
ggcaacaaaa tgccattgtg accttgcctg gaatgtgtcc ccatctctac tctaagaat 1680
gcbcacatggc ctctttggag aaagaagata ttttaaaaca ttttttagtgc gtctgttaat 1740
ggttcagcgt gtatcagatg ttgtcatagg actcacattt ctctcagtttta tatttaaaac 1800
cggttgtgtac tttgtacaaa ggaatactag tcatacttca ataaacttta cacaataaaa 1860

PF-0695-2 CON

tttcattctg qttaaaaaaaaaaaaaaa

1888

<210> 33
<211> 1897
<212> DNA
<213> *Homo sapiens*

```
<220>
<221> misc_feature
<221> unsure
<222> 1892
<223> a or g or c or t, unknown, or other
```

<220>
<221> misc_feature
<223> Incyte Clone 2472980

<400> 33
ttattgaaga catggccgcc gcgtattttc cagactgcat agtcagaccc tttggctcct 60
cagtcaacac ttttggaaag ttagatgtg atttggacat gttttggat ctagatgaaa 120
ccagaaacct cagcgctcac aagatctcg gaaattttct gatggattt caagtgaaaa 180
atgttccttc agaaaagaatt gcaactcaga agatcctgtc tggtagga gagtgccctg 240
accacttgg ccctggctgt gtgggtgtgc aaaaaatatt aaatgcccgg tgcgtccctg 300
tgaggttctc acaccaggcc tccggattt cgtgtgattt gactacgaac aataggattt 360
ccttgacaag ttccgaactc ctttatatat atggtgccct agactcaaga gtgagagcct 420
tggtgttcag tgtacggtgc tgggctcgag cacattcaact aacaagttagt attcctgggt 480
catggattac aaatttctcc cttacaatga tggtcatctt ttttctccag agaagatcac 540
ccccatttct tccaacacta gattccttaa aaaccctagc agatgcagaa gataaatgtg 600
taatagaagg caacaactgc acatttggc gtgacttgc tagaattaaa cttcacaga 660
acacagaaac attagaatta ctactgaagg aatttttgc gtattttggc aattttgcct 720
tcgataaaaa ttccataaaat attcgacagg gaagggagca aaacaaacct gattcttc 780
ctctgtacat tcagaatcca tttgaaactt ctctcaacat aagaaaaat gtaagtcaa 840
gccagctgca aaaatttgc gatttggccc gagaaggatgc ctggatttt caacagggaa 900
atacagatcg accttccata tcaagtaatc ggccctgggg gctggatcc ctattgtac 960
catctgtcc aaacagaaaag tcctttacca agaagaaaag caataagttt gcaattgaaa 1020
cagtcaaaaa ctgcttagaa tctttaaaag gtaacagaac agaaaatttca acaaaaaacca 1080
gtgggaagag aacaatttagt actcagacat gatggctgc acattgtgt aagaactggg 1140
cttagcctat caaatggctc gtggacttac ttggaaaaac tgattgaaa ctttcacaga 1200
tctcagctt catctgatgt cactttcat gatcttc tggccccct taacctggc 1260
tgaagttctg ggtatgtttc agtttgcata gctgtatact cagtggcaact ttattaaaaac 1320
atcagctgtg gagtgtggcg gtgcacaccc ttagtccca gctgcagga ggctgaggca 1380
ggaggatctc ttgagccca gatttgaat ccatcggtga caacatagca agattccatc 1440
tctaaaaaaa atgaaaataa acataagcca caaggaatgg gtgaaagatt attgtatgt 1500
gcttaacta aataggtaaa tatactaaac aaatgctaa actcagttt aggatgaaac 1560
cattgtgtat atccacatca gtccctgttt agaaaacatt taaaatgact tttagttatg 1620
tacagtacgt tgcaatgaa tacattaagc ttcaaaattt ggtatgtc tcgaatatgt 1680
atatttgtat tttcaagcg aagttctt attcacatataaattt ggggttggatc 1740
tgatataaaa aatgtttat gtttttagaa cagacattt cgtcaactgca ttcttaggt 1800
ttccaaacca aatatgatga catcaataga ttgcattttt aaaatattgt ttgattttc 1860
tatggtcaaa aataaaaattt tggtctactt tnctggt 1897

<210> 34

PF-0695-2 CON

<211> 1132

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone 2541640

<400> 34

gtggaggcctc gaacccgaga cgcttagaccc aatttggtgc ttatgggagg agtgggagtg 60
gcagaggcag cgagaccact cctttcttgg cccaccat ttcctcaccat ttttactgca 120
gtgaactcct ctcagggtgg ggggctggta cagaggcaac tccgcttca taactctcac 180
agggtcctt gtcggagggtg tccctgcctt cctaccagg cgtggtggga gtgcgacgcc 240
aggcttctcc ctcctccctg gcctcctgtg cctccagcc ccacatctcc tgagatcctc 300
cccacccac acttacacag gtccccacac gcccctggt cccctaaacc gccacccaac 360
cccactcacc ctggggccgg gactggggtg tcagagctga gccagggacc ttgggaggtg 420
gctgggaccg ggcctcctg ctcctcttt catttccct ttccggatttg gccaggatgg 480
aggacaggac aggatggctg agaggggcta ggcgtccccc ttctcttaaa ggaacagggt 540
gaccctgctg gctggctccg cccttggaa caggcacgga ccacgcccct tgctggctc 600
tgtggccctc actctttagc taaaatttcca tctggaaatg ggggaggggg gtaaccagag 660
ccacatcctt tatcgagaa gctggggat tcctagaagc cttcccaga cagaccctca 720
gtctggagcc tagatccact acgcactaacat catgccctgt gaagatggtc ttccgggaca 780
gagggagggtt tggtgcttga gtttaagggg cagcaaacat ctaacagctt ctggttccag 840
ctctgccacc gtcacccctg gacaaatcat tcggcggtac tgagccaggc ttccctgcct 900
tgtcaacaaa ggccggccagt ccagctgacc cccaaagtcc ttccagctt tacatcttt 960
ttggaacggg gtctctctac atagcccagg tcgatctga actcctggct tcaagtgatc 1020
ctcacacccctt agcctcctga gtagctggta ttctctactt cttaaatattt aattcccaac 1080
catattacag agaacaaaaaa aaacccttgc gctgcaaat aaataaaaaaa aa 1132

<210> 35

<211> 1763

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<221> unsure

<222> 1612,1613, 1737, 1745

<223> a or g or c or t, unknown, or other

<220>

<221> misc_feature

<223> Incyte Clone 2695204

<400> 35

aggctacagc tagggctgct cagtaactgc cccaaacctt accacgtccc caagtgcac 60
gggaccacg gaactacagg gtcctgctga gctcaggagc tgcacggaaat ggtggcagtc 120
accttgcacg tgcagcaggc atggatcaga ctgcaagcta gggcgcacgag gcatcagttg 180
ggaagagggg acgcacagct aggcttgagg cctttcatac gggatgtccc caggccccc 240
agcccaggcc cagcataaaag gccgtgttgg ggggcccccc tgaccccaagg ggggcttcat 300
gcgccacgtg caggcggagc gtatccatc ctcagagccg gacgtggccc ttcacagcct 360
ccagtcaggc agggggccct ccagggtggc ctgctcatgg gctacagccc agcaggggg 420
gcgacatccc ccggggctta ccaggcccctt gccccaccaa gcgaaggctg cttcctgctg 480

gagaagcccc agatgtcagc tctgaggaag agggggccagc ccctcgagg cggccgggat 540
 ccctggcca ccctactgct gccaacagtt ctgatgccaa agccacaccc ttctggagcc 600
 acctgctgcc tggggccaaa gagcctgtt tggacccaa agactgcgtt cccatgggc 660
 ggaggctgaa aggagcccgt cgccctaagc tgagccccct tcgaagcctc cggaaggggc 720
 caggcctgct gagccccccc agtgcctccc ctgttcctac ccctgctgtc agccgtaccc 780
 tgctggcaa ctttgaggaa tcattgctgc gaggacgtt tgacccatct ggccacattg 840
 agggcttcac agcagaattt ggagcttagt ggtcatactg ccccaagcac gtcacgctgc 900
 ctgtcactgt cacattttt gatgttctg agcaaaatgc cccggctccc ttctggca 960
 tcgtggatct gaacccttg gggaggaagg gttacagcgt gccaagggtg ggcaccgtcc 1020
 aagtgacctt atttaaccc aaccagactg tggtaaagat gttccttgc acctttgact 1080
 tctcgacat gcctgctgcc cacatgaccc tcctgcgcca tcgcctctt ttgggcctg 1140
 tgggtgagga gggaaatgct aacccccc accgcctct ctgtacttg ctgcaccta 1200
 gtttccggag ctcccgctca ggccgcttaa gcctgcattt agatatccgc ctgtttttt 1260
 cccggccggag cctggagctg gacacaggc tcccctacga actgcaggct gtgaccggg 1320
 cccctcataa tccacgttat tcacccctgc cctgatttgc agcaactctga acccatgcgg 1380
 gctaatgacc tgcccatctt gctccatctt agagaacata tatggagaga cagcaagaga 1440
 cccttcagggc ttgaattttt gcccctacca tgctcagcctt caaatggatt atttgggtgt 1500
 ttaaagcttc tgattcttac tacaccctgc cctacttcgg gtactccatg tgccctgtccc 1560
 ctcccttggg tttcccagga cagcttagt agtagggagg aactggagct annctgagat 1620
 tttctcaagt tcccaggca gttatgccag cgttgcctcc ctgtccttggg cagggccac 1680
 ttgttatttt atttattttt aatttataat ttattcaatt ggattgcctt ggtaaantcc 1740
 canctgat aattggcattt act 1763

<210> 36
 <211> 2110
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone 2805526

<400> 36
 cagagaacgc gctcgcttag aggaattccg ggtcctcctc ctgccttac cttggttac 60
 ctgcagccgc ctatgcctct tcccttctc ttgtatgatt cagggcctcg gcttcctca 120
 cgatattgca gaaagacaca gcttcctct tcctctcaa accacctcg agcaggggca 180
 taatttggat atcatttgg aaaaatgtca tggaaatgtt cgttccacag cttataagaa 240
 ttgtatggccg gaattacagg aagaatccag tccaaagaaca gacttatcaa catgaagaag 300
 atgaagagga cttctatcaa ggctccatgg agtgtgtcga tgagccctgt gatgcctacg 360
 aggtggagca gacccacaa ggattccggt ctactttgg ggcggccagc ttgtctata 420
 agcatatagt tggaaagaga gggacacta ggaagaaaat agaaatggag accaaaactt 480
 ctattagcat tcctaaacct ggacaagacg gggaaattgt aatcacttgc cagcatcgaa 540
 atgggtgtat ttccagccga acacggattt atgttctttt ggacactttt cgaagaaagc 600
 agcccttcac tcacttcctt gccttttcc tcaatgaagt tgaggttcag gaaggattcc 660
 tgagattcca ggaggaagta ctggcgaagt gctccatgga tcatgggtt gacagcagca 720
 ttttccagaa tcctaaaaag cttcatctaa ctattggat gttgtgtc tgaggtgagg 780
 aagagatcca gcagacatgt gagatgtac agcagtgtaa agaggaattt attaatgata 840
 tttctggggg taaaccccta gaagtggaga tggcaggat agaatacatg aatgatgatc 900
 ctggcatggt ggtatgttctt tacgccaaag tccatatgaa agatggctcc aacaggctac 960
 aagaattagt tgatcgagtg ctggAACGTT ttcaggcatc tggactaata gtgaaagagt 1020
 ggaatagtgt gaaaactgcat gctacagtta tgaatacact attcaggaaa gaccccaatg 1080
 ctgaaggcag gtacaatctc tacacagcgg aaggcaata tatcttcaag gaaagagaat 1140
 catttgcattt ccgaaatatt taaaatgtt tgagaaactt ctactttggc tccctaaagc 1200

tgaattcaat tcacatctct cagagggttca ccgttagacag ctttgaaac tacgcttcct 1260
 gtggacaaat tgacttctcc tgaggtggat cttggaaagc actagaaaact aaacatcttc 1320
 accaggtgct gaagaaaagt gtcttcgttt taattgccaa gcagggatgt ggacatttgg 1380
 atggtgactt tcctgggtgg ttccccatag attcaccatt gcctctaatt gtgtctacac 1440
 ccgtcataact accagctgag atgggtgggc gcataaggag aatttgcgc tataaccctt 1500
 agtgtgttct gttttttttt cttaattt ttaaatttgcgtt gtaaaataact cataaaacat 1560
 actgtcttca ccatttttaa gtgcacagtt cagtaacgtt aactgttaat acattcataa 1620
 tgctgtgtgg ccgtcaccgc cgccatctc cataggcttc tcagcttgcgtt aaatggaaac 1680
 tgtacccatt aaacagtaat tcccactctt cccagcccc gcagccacca ttctgcttc 1740
 tgtctctctg gtttgacta ttctcgttat ctcataaag tggaatcata cagtgacttg 1800
 tcttttgtg actggcttat ttcaacttagc ataatgtcct caaggttcat ccattgtgtg 1860
 tcaggtgaca ggatttcctt cctgttattat acatataatg gaatgttccg ttacatgtgc 1920
 gtaccacact ctgttccccc atcagtgaac acttggcttgc cttcccttgc actattggga 1980
 gtatgtctaa tacagacacg ggggtgcaaa tatctctttg agactctgccc tttaatttccct 2040
 ttaccaccca gagttttatc ttttagcaaaa taaccatcaa agttgtttgc cttttaaaaaa 2100
 aaaaaaaaaaa 2110

<210> 37
 <211> 1493
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone 2850382

<400> 37
 tggcggtggc gcggaccacg gcaggagcgg accgggccccg gggctgggcc ggcgtcgaac 60
 gcagcgaagg cggaggatg gaaccaggtg aggagcttggaa agaggaggggc tctccaggtg 120
 gccgtgagga tggcttccacc gcccggcacc tggctgcaga ggcacatggca gctgacatgg 180
 acccctggct agtgtttgtat gcccgcacaa cgcctgcacac tgagctggat gcctggctgg 240
 ccaagtaccc accatcccaa gttacccgct atggggacccc cggttccaccc aactcagagc 300
 ctgtgggctg gattgcagtg tatgggcagg gctacagccc caactccggg gacgtgcagg 360
 gcctgcagggc agcctggaa gctctgcaga ccagtggcg gcccatcaca ccgggttaccc 420
 tgcgccagct cgcctacacc caccacgtgc tctcgggcaaa gtggcttatg catctggcac 480
 cgggcttcaa gctggaccac gcctggctg gcattggcccg ggccgtgggtt gaaggccggc 540
 ttcaggtggc caaggtgagc ccacgtgcca aggagggtgg gcggccagggtc atctgtt 600
 acacggacga cttcacgac cgcttgggtg tactggaggc ggattcagcc atccgtgcag 660
 cgggcattaa gtgcctgtc acctacaagc ctgatgtcta caccctacgt ggcacatctacc 720
 gggccaatcg ctggcacetc tgccccactc tctatgagag ccgtttccag cttgggggtt 780
 gtgcccgtgg ctccccagtg ctggaccgtg ccaacaacgt ggaactgacc tagaggggcc 840
 aaattggga gactgcccac tccccctcc atgctgggtt tggatcctcc tgccttcctc 900
 cttgtcccat gaaggccaca ccccccagct ctggggactc ctaggtcaact tgggaactac 960
 ctgcacatctc agtcccccttgc aacctctgc ctctgttcag ggctgacaca agccccacag 1020
 gctggggggc tccgggttccc tgagggatga gccttcagcc tcccttgcata atgctgtcc 1080
 tctccactgc ccagcaccat gagttgggtg cagacaccta gaaggagaga cttcttgaa 1140
 cgctcatccc cgcgtatacc tccccctcc cctgcacatctc cccttcttc ctccccctc 1200
 aggagagaga aaacttagtg ctggcagccc ttcttgaggc cttcatggtc caggggtagg 1260
 ggcacccactg gcctgagcat gcccattttga gggggagggta gttgtgccta cttatccct 1320
 ggcacaggggg atgcccaggac catggacatg aggcttgccttcc atccctgccc acttacacag 1380
 cctgttaccac tgcctccct tccttggctt ctttgacatg tgccctgtcc tggcattca 1440
 ataaaaacccg gcttgggtct gtgtttttaa aaaaaaaaaaa aaa 1493

<210> 38
 <211> 2930
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone 2929276

<400> 38

```

tggagagcgg ggagttgtgt ccaccttgcc gacgtcgcta gccgtggggc tgcctggga 60
aggccgacgg cgagcccccgt gtgtccgcac tcggccgcct gccgtggccg tctgcgcggc 120
tgtcatccctc actcgggacg cagggaccgt ttttaatca caggggcgtg tgtcagcctg 180
cccttaggact tcatgtctat atatttcccc attcaactgccc ccgactatct gagatcgccc 240
aagatgactg aggtgtatgat gaacacccag cccatggagg agatcgccc cagccccgc 300
aaggatggcc ttccttacca gatcttccca gaccgtcag attttgcac ctgctgcaaa 360
ctgaaggacc gtctccctc catagtggtg gaacccacag aaggggaggt ggagagcggg 420
gagctccgggt ggccccctga ggagttccctg gtccaggagg atgagcaaga taactgcgaa 480
gagacagcga aagaaaaataa agagcagtag agtccctgtg gactccatg ggtcatacca 540
gccagcatct gttcctgaac tgcgttttc ccatcatgac ggaagaagag agtgagccgc 600
aattgttctg aaaatgtcaa acgaggcttc tggtttgcac ctgcagatca ccgagttgg 660
tttctttct tttcttgccct tttttttttt gaaatttgcac gacgtggc gccctctgac 720
aatttgcaag gcccctctgag aaaggaagct gcttagagcc agggggtag tgggtgaggg 780
gagcgagtgc tggttttgag atcattatct gaactcaggc agcttagtag aggcagttgt 840
gggattccaa tgggtcttgg tgggtggag gtggggcatg tgcaaagcaa gcaaggaaca 900
tttggggtaa gaaaacaaac atgaggcataa agaaaaataa catgtttta agaaaacatt 960
gagcagagaa ctgcagccag gatgcgtca gcagacatcc actctggctg ctgggacatc 1020
agaaaaacaaa gtcttcatct ctctctccag ttccaccac cccaccctt gcttcattt 1080
caggtgtt ggtctatatg acagggagga gactaaagga gagcaggagc aattggctgc 1140
ctgcaaagcc agctggaggt gaagtgcagg aaaggaagg tcacccatt ctactccatg 1200
gcctctctgc tcccagctgt ggtaggctca catagccagt gtgatcggtt tttaagaggc 1260
agtgttttc agtcttttc cctgatatat ccattttgtc tccagact ttttagggat 1320
agtgagagca ctccctgccc ttgttggaa cccagggtg gacactcagc acgaaggct 1380
ctcccttaac tgctgccctt ccaagactt cttccagat gtagtggcgg tggcttcca 1440
ggctggccct tccttctccct caccgccacc ttccctgccc cagccccagc agccatgggt 1500
acatgggtcc ccagctcacc tatggattcc cgccagtcg cccagctgca gtactcacgc 1560
cccatggggg atcttggctt gttttcttgg tggagccta gtggagagca gacgtggctt 1620
tttatgtgtc ttgttggggg ggtgacttgc atggtggggg caaggctgtc gtggcaacct 1680
tgggatcag tttgagacta aaggatgtca tgagatccct ggcttctccc catgttggtc 1740
ccggacaagg gcagaaggg ggcattggca gggacctctg ctgtccttac tcaacagtgg 1800
tcctcatccc tccccaccc tcactgcttc ctgcaaggc accagttgtt tgagaaagtt 1860
ggcccttggg ctttaggatcc ttattttgtg ctaagagcc tctgaaggcag caggttgcag 1920
gacaaatgtc tcagtccgcc gagagcgtt ccgtgtggcc aagaggtgg atcagagcct 1980
tccttgagct aaactcgcc aaccaaggca cgcagcatgt cccctcaggc ctccagtcag 2040
tccaggttga ccctcaggcc tggacgtgt tataatgtc tatttaatac ctcaaggctca 2100
ttgtggctct ggggatggca gggcaggagg acgagggtgc gctgtggaca cagcagtcgg 2160
cgaaattccg ttcttggaa gcaatggctg cccgcacccc ttgttcttcc cctctgtt 2220
ctgcctgtgt gacacacatc aatggcaata acttcttcca actccctcgca gaagtgggag 2280
aggccggcag cctgcaccga gaggggctt cctctctt gctcccgct tcgttctgtt 2340
ttggctgcag agagtgggtc atccatactc tcattccctc gcctccctt gtggacgggg 2400
gtctgcctt ttcaatttcc ttgttttggt gtcttccctt atctgctacc ctgaatcacc 2460
tgtcctggc ttgtgtgtt atggaaat gctgttaaac tgcttaacaa atctactttg 2520
tgtatgtgtc ttgttatggg ggtggttat tattttgtt ggtccctaga ccactttgtt 2580
tgaccgtttt cagtctgagc aggccagggg ctgacagctt atgtcaggac cctcagcggt 2640
  
```

```

ggggcctcgct gggggggaccc agctgctctt ggacaagtgg ctgagtcct atctggcctc 2700
ctcttttttt ttttttcaa gtaatttgtg tgtatttcta actgattgtt ttgaaaaaaat 2760
tccttagtatt tcagtaaaaaa tgccctgttgt gagatgaacc tcctgtact tctatctgtt 2820
cttttttgag gctcaggggag aaactagcat tttttttttt ccaaactact ttttgtca 2880
gtgacagttt taaaataaaagt ttgaaaatgc tttccaaaaaa aaaaaaaaaaa 2930

```

<210> 39
<211> 4204
<212> DNA
<213> *Homo sapiens*

<220>
<221> misc_feature
<223> Incyte Clone 3033039

<400> 39
atgacaatgg atgctctgtt ggctcgattg aaacttctga atccagatga ccttagagaa 60
gaaatcgta aagccggatt gaaatgtgga cccattacat caactacaag gttcattttt 120
gagaaaaaat tggctcaggc tttactggag caaggaggaa ggctgttcc ttttaccac 180
catgaggcag gtgtcacagc tctcagccag gacccacaaa ggatttgaa gccagctgaa 240
ggaaacccaa ctgatcaggc tggttttct gaagacagag attttgttca cagtgtggc 300
ctgaatcctc cagaggagga agctgtgaca tccaagacct gctcgggcc ccctagtgac 360
accgacacct acagagctgg agcgactgct tctaaggagc cgccccgtta ctatgggtg 420
tgtccagtgt atgaggacgt cccagcgaga aatgaaagga tctatgttta tgaaaataaa 480
aaggaagcat tgcaagctgt caagatgatc aaagggtccc gatttaagc ttttctacc 540
agagaagacg ctgagaaatt tgctagagga atttgtgatt atttcccttc tccaagcaaa 600
acgtccttac cactgtctcc tggaaaaaca gctccactct ttagcaatga caggttggaa 660
gatggtttgc gctgtcgga atcagaaaaca gtcaacaaag agcgagcgaa cagttacaaa 720
aatccccca cgcaggaccc caccgccaag ctggggaaag ctgtggagaa gggagaggag 780
gacacctttt ctgaccttat ctggagcaac ccccggtatc tgataggtc aggagacaac 840
cccactatcg tgcaggaagg gtgcaggatc aacgtgatgc atgttgcgtc caaagagaac 900
caggcttcca tctgcccagct gactctggac gtccctggaga accctgactt catgaggctg 960
atgtacccctg atgacgacga ggcacatgtc cagaagcgta tccgttacgt ggtggacctg 1020
tacctaaca ccccccgcacaa gatgggctat gacacaccgt tgcattttgc ttgtaagttt 1080
ggaaatgcag atgttagtcaa cgtgctttcg tcacaccatt tgattgtaaa aaactcaagg 1140
aataaatatg ataaaaacacc tgaagatgta atttgtgaaa gaagaaaaaa taaatctgtg 1200
gaactgaagg agcggatcag agagtatTTT aaggggccact actacgtgcc cctcctgaga 1260
gcggaaagaga cttttctcc agtcatcggt gagctgtggt ccccgacca gacggctgag 1320
gcctctcacg tcagccgcta tggaggcagc cccagagacc cggtaactgac cctgagagcc 1380
ttcgcaggggc ccctgagttc agccaaaggca gaagatTTT gcaagctctg gaaaactcca 1440
cctcgagaga aagcaggctt ctttaccac gtcaagaagt cggaccggaa aagaggctt 1500
gagagagtgg gaagggagct agctcatgag ctggggatc cctgggttga atactggaa 1560
tttctgggct gtttgttga tctgtcttcc caggaaggcc tgcaaaagact agaagaatat 1620
ctcacacagc agggaaatagg caaaaaggct caacaagaaa caggagaacg ggaagcctcc 1680
tgccgagata aagccaccac gtctggcagc aatccattt cctgtggggc gtttcttagat 1740
gaagatgaca ttagcttggg agaaataaaa aatcgccaaa atgcagctcg aaataacagc 1800
ccgccccacag tcgggtctt tggacatacg aggtgcagcg cttccctt ggagcaggag 1860
gcagacacctca tagaaagccgc cgagccggaa ggtccacaca gcagcagaaa tggctctgc 1920
catcctctga atcacagcag gaccctggcg ggcaagagac caaaggcccc ccgtggggag 1980
gaagccccatc tgccacctgt ctcggatttg actgtttagt ttgataaaact gaatttgc当地 2040
aatataggac ttagcgtttc caagacacca gatgaaagta caaaaactaa agatcagatc 2100
ctgacttcaa gaatcaatgc agtagaaaga gacttggtag agccttctcc cgcagaccaa 2160
ctcgggaaatg gccacaggag gacagaaagt gaaatgtcag ccaggatcgc taaaatgtcc 2220

ttgagtccta gcagccccag gcacgaggat cagctcgagg tcaccaggga accggccagg 2280
 cggctttcc ttttggaga ggagccatca aaactcgatc aggatgttt ggccgcttt 2340
 gaatgtgcag acgtcgaccc ccatcagtcc ccggccgtgc acagatggaa gagtgctgtc 2400
 ctgtgtact caccctcgga cagacagagt tggcccagtc ccgcggtaa aggaagggtc 2460
 aagtctcagc tgccagatct cagtggccct cacagctaca gtccggggag aaacagcgtg 2520
 gctggaagca accccgc当地 gccaggcctg ggcagtccctg ggcgtacag ccccgta 2580
 gggagccagc tccgcaggat ggcgc当地 gctgagctt ccgc当地gtta ggcttggcgc 2640
 tgggctctcg gtttgc当地 cattttaaa gaaggaagggg tcatatgttt attgctaaac 2700
 tgtcaaaaag gaatataattc tgattaaattt attactcctc actttgagggttgtgagaatt 2760
 ttagaagatt taaatgttct atataacact tagatttctg atattttggaa agaagttaga 2820
 agttaatgaa agcaaactca gttaccaatt ttctggaaaa tatccatgtg gtaatggtag 2880
 actttttagg tggcaattc taggtctgaa atatagcaga gaaaggcgctgaggcagt 2940
 tgcaggcagg cagccctgta cttaccctgt actcacccca tccgacagac gctgtggatg 3000
 aggaggggct tggcggaggc gtgagcaccg atgtccctt gataacctgc actcaccaag 3060
 atgaactatt tgccgc当地 tctttcctg ggttgggggg tggcatctga tggc当地caga 3120
 gtgc当地gttgc当地 gttc当地ccctg gggctcatg gttc当地acagag aggagggtgg acggcaggga 3180
 tcagggagcc aggagcgc当地 ctcagacttg cagcaaccat tgc当地tttgggatg 3240
 atatttaat tactgatcag aagatgaaag tagctttctt cttggaaatg cttgc当地ccc 3300
 gtgggagtgta taccaggagc aacacagagc tcagcagcgg cgccaagggtg tttccctgttt 3360
 cctcagcactg tgaggc当地 cccgc当地tta cattcaggag ccagtgc当地 agtaataacag 3420
 tctatacatt gttctgttt caaatttattc ctgaggctt gttgagcata aatgattata 3480
 cgataaaaggat atccgttatt ttgaaactca tttcagttgg gatctcctgt atgc当地agtg 3540
 ttgc当地tttag aggtttgagt cccatcttg tttcttggccg tgctgactgt agc当地tccacc 3600
 ttgacttga tgaaggctg tgggtggaaat gtgtgaggag cc当地tggagggtt caggagg 3660
 tgctgc当地gg aggtc当地ttt cttcc当地gggt gttacgggca actgctcaca cagttgttcc 3720
 tctgtgaaca ttccagttgt ttaatccaaa atgaaaaccc accaatgttt ttgctaaactt 3780
 cagtc当地ttt tataaattt cctgaaactt ctttttggg atatacagg 3840
 atattaagta gacgcaggat tgttttgtt tgtaaaaattt ctgaaattt gaaacttggg 3900
 aaaaaaaaggc ttctt当地ttt catatgacaa gagataggc aggaatattt gaatcaagat 3960
 ttaaatgtt aaattcgatt ttgttacaca ggggtgttcc atttttttggg tagcagacaa 4020
 gatctagatc ccagacagaa acaacacatc ctattctaaa aagccgc当地 taaaaggca 4080
 ccttggtct caaaagaaat cagaatatgg atattcgatc tgatgtctg ttttctctaa 4140
 aatcttacca tattgtctgt atatgggtt aaattcaat gggaaatgaa acgttttggc 4200
 cctg 4204

<210> 40
 <211> 2054
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone 3039890

<400> 40
 ggaaggcggt gctctgagaa gccggactac gcggcagcgg ctcttcaaag cggagccggg 60
 agttttgtct acagtttccg ccaccatgag tcgc当地tatc aatgatgagc tgc当地tttt 120
 ggagaagatc aataaaaact gctggaggat caagaaggcc ttc当地tccca acatgc当地gtt 180
 tgaagggttt ttctatgttca atgatgctt ggagaaaattt atgtttgggg aatggaa 240
 tgctgtcga ggtgggtggt ttgggtggctt cctgccc当地tcc atgaaacaga ttggcaatgt 300
 ggc当地ccctg cctgaaattt ttc当地tgc当地tcc tattgggttt cctgatgtcc attcaggata 360
 tgggtttgtt attgggaaca tggcagcctt tgatatgaaat gaccctgaaag cagtagtac 420
 cccagggtggt gtc当地gggtttt acatcaactt gttgtccgc ttgctaaagaa ccaattttaga 480

tgaaagtat gtccagcctg tgaaggagca acttgccaa gctatgttg accacattcc 540
tgttgggtg gggtaaaaag gtgtcatccc aatgaatgcc aaagacttgg aggaggcctt 600
ggagatgggg gtggactggc ccttaagaga agggtatgcc tggctgaag acaaggagca 660
ctgcgaggag tacggaagga tgctgcaggc tgaccataat aaagttctg caagggcgaa 720
gaaaagaggc cttcctcagt tggggaccct gggagcaggc aaccattatg cagaaatcca 780
ggttgtggat gagatttca atgagtatgc tgctaaaaaa atgggcacatcg accataaggg 840
acaggtgtgt gtgtatgcc acagtggaaag cagaggcttgc ggcaccaag tagccacaga 900
tgccgtggta gctatggaga agggcatgaa gagagacaag attatagtca atgatcggca 960
gttggcttgc gctcaatcg ctccccaga gggtaaagac tatctgaagg gaatggcagc 1020
tgctggaaac tatgcctggg tcaaccgctc ttccatgacc ttcttaaccc gtcaggctt 1080
cgccaaggtc ttcaacacaa cccctgatga cttggaccta catgtatct atgatgttcc 1140
tcacaacatt gccaaagtgg agcagcatgt ggtggacgga aaggAACggga cactgttagt 1200
acacaggaag ggatccaccc gcgcTTccc tcctcaccat cccctcatttgc ctgttatttt 1260
ccaaactcact ggacagccag tgctcattgg tggcaccatg ggaacctgttgc gttatgttct 1320
tactggcact gaacagggca tgactgagac ctttggaaaca acctgtcatg gagcggggccg 1380
tgcattgtcc cgagcaaat ctcgacgtaa tttagatttc cagatgtct tagacaaattt 1440
ggcagatatg ggaattgcga tccgtgttgc ctcacccaaa ctggttatgg aagaggctcc 1500
tgagtccatat aagaatgtga cagatgtggt aaataccatgc catgtatgttgc gaatcagcaa 1560
gaaagccatt aaactgagac caattgtgtt gatcaaagga tagaaccttgc gacagcagg 1620
ctgcctgaca ccaccaaccc tctctgaagt ggaagtggac tgacatgctc ttctgacatc 1680
agactcaagg cgggacaagt tgcaaaagtgt gcagctgttgc ctgctcacgc caaaatggct 1740
gatggggagg ctgctgtttt cagggggcccg tgcttgtaaa ataacccatgc aggaagaggc 1800
acatggccca ccttggaaa gggaggaata tgccttc tttgtgttgc cacagatgttgc 1860
tagaaaaatc ttttagggat gggtagatgt caaactgcct tacgcgttgc tactgtatctt 1920
tagccatcag attgtatcttcc ttccacacca gctctgttgc catccgaga ggtgtatgttgc 1980
agaaagttct gttcaataag gttttggaaat gtttcaaaaaa aaaaaaaaaa ggctggctgc 2040
ttgtatcttgc 2054